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Print Media Branch
Alberta Agriculture
9718 – 107 Street
Edmonton, Alberta, T5K 2C8
OR
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PREFACE

The Agriculture Statistics Yearbook for Alberta provides 1981 statistics where available, with the most current statistics otherwise, thereby serving as a reference to those interested in agriculture in Alberta. Although several graphs and short tables date back a few years, long term data and tables for years prior to 1980 may be obtained from the Statistics Branch. In addition, we remind users that the data in this publication is subject to revision following the release of 1981 Census data and the corresponding intercensal revisions where necessary.

Statistics Branch publishes and revises much of the data in this publication throughout the year. This data is released on statistics fact sheets and this format may be more appropriate for those individuals wishing only selected pages of this publication. If this is the type of information you require please contact us at any time during the year.

Data was derived from several sources with major contributions made by the Agriculture Statistics Division, Statistics Canada in cooperation with Alberta Agriculture. We also gratefully acknowledge the cooperation of Agriculture Canada and contributions of other federal and provincial departments mentioned within Sources and Methods located at the back of this publication.

Special appreciation is extended to all the agricultural producers and processors that responded to surveys or supplied other information to either Statistics Canada or Alberta Agriculture.

Evaluation of this publication and suggestions for improvements will be greatly appreciated and should be forwarded to Statistics Branch, Alberta Agriculture, Edmonton.

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1981 IN REVIEW

A year of contrast may be the best way to describe 1981. Some producers had an excellent year in terms of Farm Cash Receipts and Net Farm Income while others faced steady or reduced receipts with ever increasing operating expenses and consequently lower net income. Alberta Farm Cash Receipts increased significantly to $3,876 million due primarily to favourable grain prices and a dramatic increase in grain marketings. Producer deliveries of the six major grains and oilseeds exceeded 10.5 million tonnes as compared to less than 9 million tonnes in the 1980 calendar year. Improvements in the grain handling system, such as rail line upgrading and more locomotives and hopper cars, and with minimal weather and labour disruptions resulted in record grain movement in Western Canada.

Farm Cash Receipts for Wheat exceeded one billion dollars for the first time in this province and reached $1,155 million dollars, up 76% from 1980. Record high deliveries and favourable prices combined to make wheat the second highest commodity nearly equalling cattle and calves in terms of Farm Cash Receipts. Producer deliveries of wheat exceeded 5.5 million tonnes reflecting the excellent delivery opportunities created by a substantial improvement in the grain transportation industry as well as aggressive selling in the international markets by the Canadian Wheat Board.

Farm Cash Receipts from Barley increased to $466 million, up nearly 50% from 1980. Improved capacity in the grain handling system, attractive international prices and greater sales all contributed to this increase. Barley deliveries totalled nearly 3.5 million tonnes, an increase of over 600 000 tonnes from 1980. Farm Cash Receipts for Oats exceeded $25 million, down slightly from a

year earlier. Relatively flat domestic prices and limited supplies of top quality oats contributed to the reduction.

Canola Farm Cash Receipts dropped to $277 million in 1981, down 9% from the $305 million in 1980. Prices during the 1981 calendar year were basically unchanged from year earlier levels and farmers responded by decreasing canola acreage. Consequently total supplies and marketings decreased, leading to the reduction in canola receipts. Flax Farm Cash Receipts also dropped substantially to $16 million from nearly $30 million in 1980. Better price prospects in the cereal crops led to a reduction in flax acreage and production which in turn reduced marketings and Flax Farm Cash Receipts.

Farm Cash Receipts for other crops were basically unchanged from the year earlier. Reduced receipts from rye and sugar beets were offset by improved income from potatoes, vegetables and other crops.

Farm Cash Receipts from Cattle and Calves declined to $1,179 million, a decline of nearly 2% from 1980. Depressed cattle prices throughout 1981 were responsible for this reduction in Farm Cash Receipts. Despite the poor prices, slaughter cattle and calf marketings increased to over 1.3 million head, up nearly 5% from 1980.

Hog Farm Cash Receipts at $209 million increased by 20% over 1980. Improved prices, in relation to year earlier levels, were responsible for the increase since total Alberta hog marketings decreased by over 4% to 1.6 million head. Farm Cash Receipts for Sheep and Lambs decreased to $6 million from $8 million in 1980 despite increased marketings. Prices for lambs fell during the year and the yearly average was 10% lower than in 1980.

Farm Cash Receipts for Dairy Products and Poultry and Eggs increased during 1981. Prices and sales volumes increased reflecting the costs of production and the continued growth in demand for these products.

Total Farm Cash Receipts reached $3,876 million, a 23% increase over 1980. The crops component exceeded the livestock and livestock products sector for the first time since 1975. With wheat and barley leading the way, Farm Cash Receipts from crops reached $2.1 billion, nearly 45% higher than in 1980. Livestock receipts, on the other hand, increased by less than 3%.

Total Operating Expenses continued to rise and reached $2,284 million, up 15% from 1980. Inflation, high interest rates and greater energy costs were the principal reasons for the record level of farm expenses. The greatest year to year change was in Interest on Indebtedness Payments which increased by nearly 34% to $485 million, and is now rivalling Machinery Expenses as the largest component of Total Farm Operating Expenses.

Spurred by high prices for fuel and petroleum products, Total Machinery Expenses increased to $490 million, a 24% change from year earlier levels. Fertilizer and Lime Expenses were also 24% higher due primarily to high energy prices.

Other Expense components showed increases over 1980 which were generally around the rate of inflation. The one exception was Other Livestock Expenses which dropped by over 22% reflecting the poor livestock prices and efforts by livestock producers to reduce their expenses.

Depreciation Charges on Buildings and Machinery reflect purchases of new equipment and structures. The building component was down slightly from 1980.

Since most major farm buildings, other than residences, are related to livestock, the unfavourable prices and outlook for cattle and hogs were probably responsible for the decline. Machinery Depreciation Charges at $493 million on the other hand, were 12% greater, an indication of the more favourable financial situation of Alberta's grain farmers. Sales of combines and four-wheel drive tractors remained strong, one of the few bright spots in the farm machinery industry.

Total Operating Expenses and Depreciation Charges increased by over 14% to a record level of $2,864 million. Farm costs during the past few years have grown faster than the rate of inflation and continue to erode farm incomes.

Net Farm Income, paced by the tremendous gains in the crops sector, rose to $1,070, a 34% increase from 1980. Unfortunately, this improvement in Net Farm Income was not distributed throughout the farming community. The livestock producers, especially the beef cattle and sheep farmers, experienced rising costs and falling prices and many were facing serious financial problems. Grain producers were generally in a more favourable position following record crop production, good prices and exceptional market opportunities.

Alberta crop production established a new record in 1981. Total output of the major grains and oilseeds exceeded 15 million tonnes with new yield records for wheat, rye and flaxseed while oats and barley yields were the second highest ever. In addition, the quality of the 1981 crop was exceptional, reflecting near ideal weather conditions during harvest.

Alberta farmers seeded a record number of acres and for the most part growing conditions were favourable. Parts of Peace River region and northeastern districts experienced drought stress and yields were reduced in these areas. Southern and central regions had excellent growing conditions and yields were well above average. Provincial yields as estimated by Statistics Canada in kilograms per acre are as follows (with the 5-year average in brackets); wheat 930 (815), oats 935 (895), barley 1 055 (1 015), rye 1 075 (745), flaxseed 560 (455), canola 485 (465).

Crop losses from insects, disease and weather related causes were relatively light in 1981. The Alberta Hail and Crop Insurance Company reported the number of claims were well below normal despite expanded coverage. Scattered hail storms and drought in the Peace River and Northeast regions were responsible for most of the crop damage claims.

Livestock producers did not have a good year in 1981. Rising costs combined with generally flat or declining prices further aggravated the cost-price squeeze facing many livestock producers. Dry conditions in the northern and Peace River regions along with extensive winterkill in the alfalfa and clover crops reduced forage growth, creating additional problems for cattle producers. Central, southern and western areas had good hay crops and surplus hay moved into the feed deficient areas. The provincial government assisted many producers through the Feed Freight Assistance Program.

Cattle prices were relatively stable during the first half of the year and then dropped substantially during the latter part of the year. Monthly prices for A1,2 steers in Calgary reached a peak of $79.09/cwt in May and closed the year at $66.51 in December. Cow prices followed a similar trend as D1,2 cows ranged from a high of $54.57/cwt in April to $40.45/cwt in December. Sheep and Lamb prices followed the same pattern as cattle. The average price for lambs was $56.85, 10% less than in 1980.

Hog prices, in contrast to cattle and sheep, averaged higher in 1981 than in 1980. Prices for Index 100 Hogs in Edmonton were steady to lower during the first five months but then moved rapidly upwards into the mid to upper $70's for the next five months and closed somewhat lower. The average price for the year was $67.81 per cwt, an increase of over 18% from 1980.

The Alberta government continued various assistance programs to agricultural producers during 1981. In addition, several new programs and changes to existing plans were introduced with the major ones being described below.

The Alberta Energency Stop-Loss Program was extended until June 30, 1981. This program guaranteed hog producers an income of $35 plus feed costs per market hog. This program was replaced by the Alberta Hog Assured Returns Program which is administered by the Alberta Pork Producers Marketing Board and financed through voluntary producer contributions. The Alberta government assisted this program with a $10 million start-up grant along with guarantees for up to $10 million in bank loans.

Several other programs such as the Conpensation Program for Bear Damage to beehives, the Vegetable and Potato Storage Program, and the Fair Assistance Program were continued with increased levels of assistance available to producers.

The Agricultural Lime Freight Assistance Program was introduced to help defray the costs of transporting lime into areas with acidic soils. Producers can receive a rebate of 80% of the transportation costs after the first $5 per ton.

A Feed Freight Assistance Program was introduced to help farmers in drought areas secure feed for their basic cattle herds and sheep flocks by covering freight charges over distances greater than twenty-five miles to a maximum of $5,000 per farm.

A new Federal - Provincial Nutritive Processing Agreement was signed in August and will be in force until 1984. This agreement provides assistance to firms processing products of plant and animal origin, firms engaged in nutritive research and development and firms processing nutritive products for animal and human consumptions. Costs of the program are to be shared equally by the federal and provincial governments.

The Alberta Beef Cattle and Sheep Support Program was announced in December of 1981. This program provided over $130 million in assistance to livestock producers and applied to beef cattle herds, feeder cattle and calves, slaughter cattle and slaughter lambs.

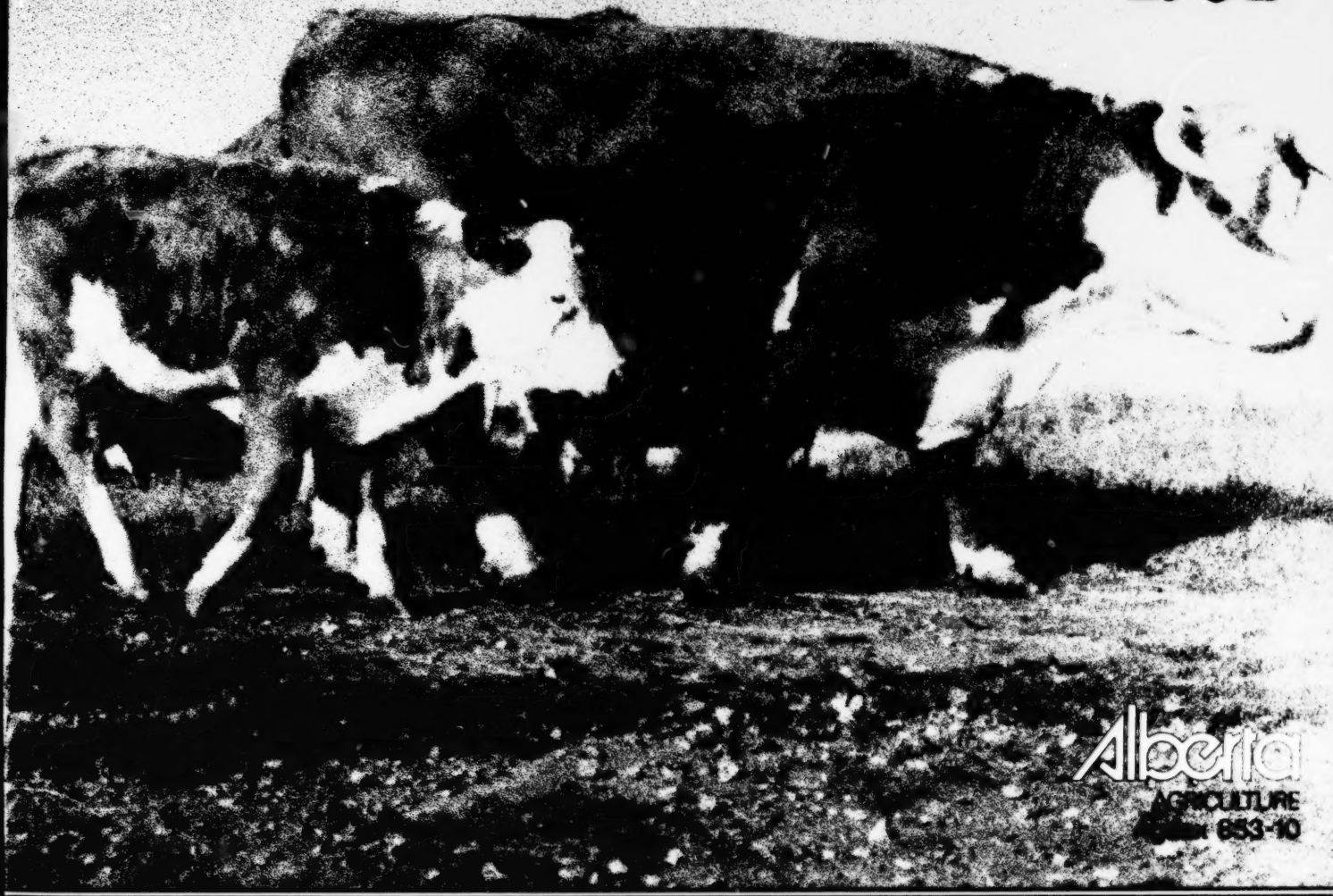
The Farming for the Future Research Program is designed to help improve the long-term viability of Alberta's agricultural industry and to help improve net farm incomes in the province. In 1981-82, a total of 106 projects were carried out at a cost of approximately $4.08 million.

Table 1
PRODUCTION AND GROSS FARM VALUE OF AGRICULTURAL PRODUCTS

	Production		Value Per Unit		Total Value	
	1980	1981	1980	1981[p]	1980	1981[p]
	- tonnes -		- dollars -		- dollars -	
Field Crops:						
Wheat	5 334 000	6 042 000	197.50	180.00	1,053,465,000	1,087,560,000
Oats for grain	1 265 000	1 403 000	116.00	105.00	146,740,000	147,315,000
Barley for grain	5 966 000	6 597 000	137.50	120.00	820,325,000	791,640,000
Rye	185 400	322 600	178.00	155.00	33,001,000	50,003,000
Mixed grains	249 500	238 100	129.80	119.00	32,385,000	28,334,000
Flaxseed	83 800	55 900	328.00	320.00	27,486,000	17,888,000
Canola/Rapeseed	1 134 000	748 400	281.00	275.00	318,654,000	205,810,000
Mustard seed	25 400	19 000	242.50	330.00	6,160,000	6,270,000
Potatoes	185 800	168 300	103.50	112.00	19,230,000	18,850,000
Sugar beets	524 600	714 800	67.00	50.00	35,148,000	35,740,000
Tame hay	5 896 700	6 441 000	81.50	73.30	480,581,000	472,125,000
Other Field Crops					74,015,000	86,457,000
Total Field Crops					3,047,190,000	2,947,992,000
Livestock and Livestock Products:						
Cattle					1,139,778,000	1,193,611,000
Calves					46,166,000	43,234,000
Hogs					172,908,000	196,513,000
Sheep and Lambs					6,958,000	6,586,000
Total Livestock					1,365,810,000	1,439,944,000
Dairy					167,483,000	194,844,000
Poultry and Eggs					104,041,000	125,366,000
Honey					16,766,000	14,206,000
Wool					950,000	649,000
Fur Farming					2,398,000	1,896,000
Other Livestock and Products					11,523,000	11,850,000
Total Livestock and Products					1,668,971,000	1,788,755,000

[p] preliminary

Agriculture Statistics Yearbook 1981



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AGRICULTURE
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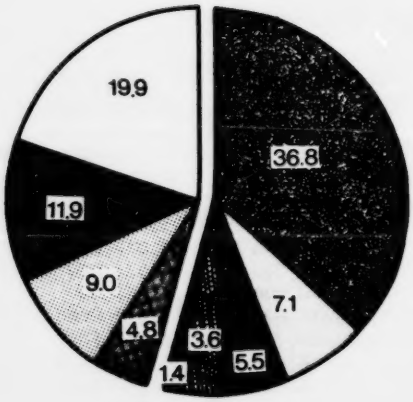
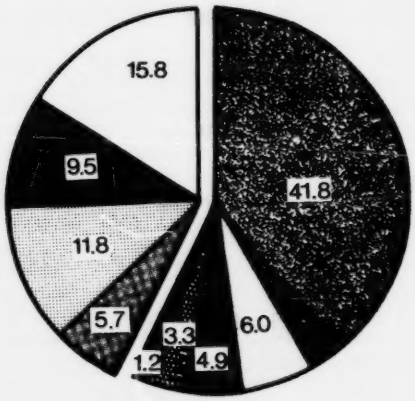


1971-80 Average



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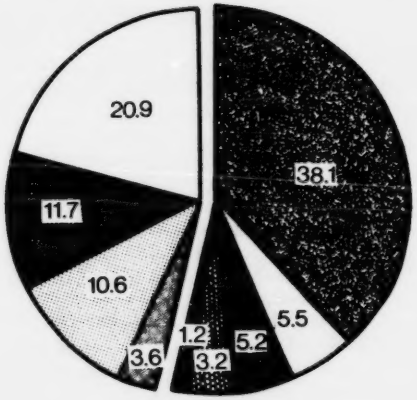
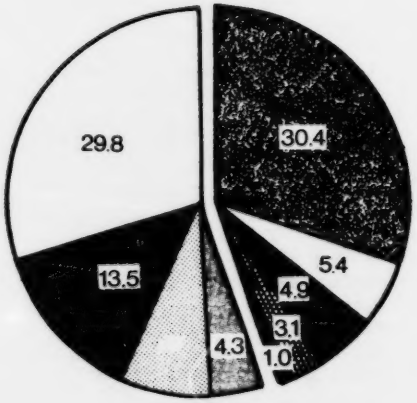


1980

Source of Farm Income (in %)

- Wheat
- Coarse Grains
- Oilseeds
- Other Field Crops
- Cattle and Calves
- Hogs
- Dairy
- Poultry and Eggs
- Other Livestock



1981

Alberta AGRICULTURE

Table 2
CASH RECEIPTS FROM THE SALE OF FARM PRODUCTS

	1980		1981[P]	
	$'000	% of Total	$'000	% of Total
Wheat	656,268	20.8	1,155,417	29.8
Oats	27,781	0.9	25,590	0.7
Barley	311,135	9.9	466,152	12.0
Western Grain Stabilization	-	-	-	-
Crop Insurance Payments	32,948	1.0	27,300	0.7
C.W.B. Net Cash Advance Payments	1,732	0.1	29,793	0.8
Deferred Grain Receipts	-64,961	-2.0	-56,840	-1.5
Rye	30,485	1.0	29,426	0.8
Flaxseed	29,642	0.9	16,049	0.4
Canola/Rapeseed	304,535	9.7	277,403	7.2
Sugar Beets	44,821	1.4	35,504	0.9
Potatoes	14,918	0.5	19,915	0.5
Vegetables	12,622	0.4	15,051	0.4
Floriculture and Nursery	23,816	0.8	25,578	0.7
Other Crops	32,592	1.0	39,965	1.0
Forest and Maple Products	980	*	978	*
Total Crops	1,459,314	46.4	2,107,281	54.4
Cattle and Calves	1,197,793	38.0	1,178,937	30.4
Hogs	173,992	5.5	209,261	5.4
Sheep and Lambs	7,904	0.3	6,010	0.2
Dairy Products	163,894	5.2	191,255	4.9
Poultry and Eggs	101,469	3.2	121,761	3.2
Other Livestock	31,251	1.0	28,512	0.7
Total Livestock and Products	1,676,303	53.2	1,735,736	44.8
Provincial Income Stabilization	-	-	2,631	0.1
Supplementary Payments	12,604	0.4	30,605	0.7
Total Cash Receipts	3,148,221	100.0	3,876,253	100.0

[P] preliminary. * less than 0.05 per cent.

Note: Interim and final payments received through the Canadian Wheat Board on participation certificates (wheat, oats and barley) are included in the calendar year in which payments were received by farmers. Deficiency payments are included with products where applicable.

Table 3
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1980	1981[P]	% Change
	- thousand dollars -		
Cash Receipts from Sale of Farm Products	3,135,617	3,845,648	+ 22.6
Income in Kind	34,147	35,407	+ 3.7
Supplementary Payments	12,604	30,605	+ 142.8
Realized Gross Income	3,182,368	3,911,660	+ 22.9
Value of Inventory Changes	121,566	22,576	- 81.4
Gross Income	3,303,934	3,934,236	+ 19.1
Operating and Depreciation Charges	2,508,498	2,863,853	+ 14.2
Total Net Income	795,436	1,070,383	+ 34.6

Table 4
INCOME IN KIND

	1980	1981[P]	% Change
	- thousand dollars -		
Dairy Products	3,589	3,589	n.c.
Poultry and Eggs	3,021	3,405	+ 12.7
Meat	17,195	17,109	- 0.5
Fruit and Vegetables	7,580	8,530	+ 12.5
Honey and Maple Products	75	79	+ 5.3
Forest Products	2,676	2,685	+ 0.3
Wool	11	10	- 9.1
Total	34,147	35,407	+ 3.7

[P] preliminary

Table 5
FARM OPERATING EXPENSES AND DEPRECIATION CHARGES

	1980	1981[P]	% Change
	- thousand dollars -		
Taxes	35,109	37,918	+ 8.0
Gross Farm Rent	145,705	148,297	+ 1.8
Wages	127,551	132,694	+ 4.0
Interest	362,243	484,919	+ 33.9
Fuel and Lubricants	176,872	235,594	+ 33.2
Machinery Repairs and Expenses	217,929	254,759	+ 16.9
Fertilizer	202,906	252,009	+ 24.2
Other Crop Expenses	117,195	129,534	+ 10.5
Feed	196,652	217,104	+ 10.4
Other Livestock Expenses	166,957	129,523	- 22.4
Repairs to Buildings	39,180	42,589	+ 8.7
Electricity and Telephone	50,540	58,606	+ 16.0
Miscellaneous	142,612	160,303	+ 12.4
Total Operating Expenses	1,981,451	2,283,849	+ 15.3
Depreciation Building and Machinery	527,047	580,004	+ 10.0
Total Expenses	2,508,498	2,863,853	+ 14.2

[P] preliminary

Table 6
1981 AVERAGE FARM INPUT PRICES

	Jan.-Mar.	April-June	July-Sept.	Oct.-Dec.	1981 Average
Lumber, 2X4, spruce M.	$ 334.08	$ 331.14	$ 341.86	$ 322.47	$ 332.39
Sheathing, Ply, 3/8", 4X8 sht	9.88	10.39	11.38	10.85	10.62
Cement, 40 kg	6.06	6.61	6.84	7.00	6.63
Paint, barn, gal	15.99	17.01	16.84	17.65	16.87
Pipe Plastic, 3/4", 100' coil	18.00	18.29	18.58	19.16	18.51
Rods, Re-Enforcing 1/2", 20'	4.85	4.80	4.88	4.91	4.86
Barbed Wire, 12 gauge, dble. strd	44.56	44.74	45.41	48.03	45.68
Truck Tires, G78X15C, ea	61.94	62.86	65.29	68.25	64.58
Battery, 12v., 60/70 amp. ea	63.00	63.03	62.89	63.54	63.12
V Belt, 1/2"X70", ea	7.68	7.62	7.54	7.63	7.62
Antifreeze, 4 litres	10.65	8.93	8.82	8.50	9.22
Mechanical Repairs, per hour	24.61	25.34	25.91	26.86	25.68
Baler Twine, bale	26.31	26.81	26.45	26.24	26.45
Farm Labour, per month	966.37	988.08	1006.26	1023.53	998.56
Tractor, 100 h.p.	41265.93	43029.83	44000.71	45931.21	43556.92
Tractor, 170 h.p.	67201.38	68584.36	70030.55	73363.69	69795.00
Combine, Self-Propelled	68033.23	69225.91	71902.20	75778.51	71234.96
Cultivator,hvy., 20'/up	7926.18	7867.58	8345.56	8550.78	8172.53
Baler, Pull Type	8577.93	8786.13	9054.56	9573.76	8998.09
Double Disc, light 20'/up	6847.50	6875.16	7231.10	7411.22	7091.25
Truck, 1/2t., Ford/Chev	8281.85	8585.22	8822.55	9082.64	8693.06
Calf Starter Supp., (20-24%), 25 kg	7.64	7.92	7.86	7.84	7.82
Dairy Supp., (32%), 25 kg	7.57	7.80	7.83	7.67	7.72
Hog Concentrate, (40%), 25 kg	11.57	11.61	11.43	11.03	11.41
Poultry Concentrate, (34%) 25 kg	10.51	10.43	10.70	10.40	10.51
Cattle Mineral, 25 kg	14.16	14.90	15.31	15.84	15.05
Feed Barley, No. 1, bu	2.85	2.87	2.72	2.36	2.70
Hay, baled, ton	74.52	75.15	70.82	64.90	71.35
Fertilizer, 34-0-0, tonne	224.17	212.47	217.05	240.09	223.45
Fertilizer, 11-51-0, tonne	398.20	378.22[1]	385.21[1]	414.63[1]	394.07[1]
2,4-D, Low Volatile, 5 gal	101.52	76.68[1]	70.89[1]	69.58[1]	79.67[1]
Avadex BW, liquid, 5 gal	138.35	138.65	143.10	150.11	142.55
Penicillin, 100 cc	5.28	5.35	5.38	5.44	5.36
Vitamin A D E, 100 cc	4.68	4.84	5.02	5.05	4.90
Tetracycline, lb	6.13	6.00	6.29	6.42	6.21
Seed, Wheat, 100 kg	31.18	8.90	9.02	32.82	20.48
Seed, Barley, 100 kg	31.19	6.96	6.92	30.79	18.96
Purple Gasoline, litre	20.95*	23.16*	25.37*	26.93*	24.11*
Diesel Fuel, litre	20.63*	22.73*	24.99*	26.57*	23.73*
Propane, litre	13.78*	14.58*	15.30*	16.32*	14.99*
Natural Gas, Mcf	2.14	2.28	2.40	2.51	2.33

[1] item specification change
* cents per litre

Table 7
FARM WAGES

	Per Day		Per Month	
	1980	1981	1980	1981
	- dollars -			
With Board:				
February 15	32.40	32.99	728.00	759.00
May 15	32.53	33.06	745.00	774.00
August 15	32.53	33.62	746.00	778.00
November 15	32.66	34.63	753.00	782.00
Without Board:				
February 15	39.18	41.17	850.00	886.00
May 15	39.61	41.99	856.00	898.00
August 15	40.36	42.70	865.00	914.00
November 15	40.36	44.62	873.00	934.00

Table 8
FARM CAPITAL

	Land and Buildings	Livestock and Poultry	Implements and Machinery	Total
		- thousand dollars -		
1961	1,715,367	452,920	550,876	2,719,163
1962	1,820,027	457,967	573,655	2,861,649
1963	1,994,843	495,326	604,641	3,094,810
1964	2,238,665	528,000	654,530	3,421,195
1965	2,587,147	504,916	713,757	3,805,820
1966	2,865,472	567,192	785,032	4,217,696
1967	3,206,599	604,245	843,354	4,654,198
1968	3,479,502	579,155	901,989	4,960,646
1969	3,409,912	746,291	934,211	5,090,414
1970	3,240,849	797,276	956,970	4,995,095
1971	3,530,252	803,855	867,446	5,201,553
1972	4,143,591	1,016,172	905,851	6,065,614
1973	5,181,261	1,380,491	986,590	7,548,342
1974	6,975,770	1,366,308	1,275,851	9,617,929
1975	8,957,880	1,024,330	1,726,808	11,709,018
1976	10,627,528	1,127,716	2,110,053	13,865,297
1977	13,162,997	1,126,921	2,374,311	16,664,229
1978	17,092,448	1,725,033	2,673,967	21,491,448
1979	21,177,094	2,530,562	3,092,228	26,799,884
1980	25,963,410	2,600,706	3,543,412	32,107,528
1981	29,961,159	2,503,766	4,362,215	36,827,140

Note: Preliminary estimates of data for 1977 to 1980.

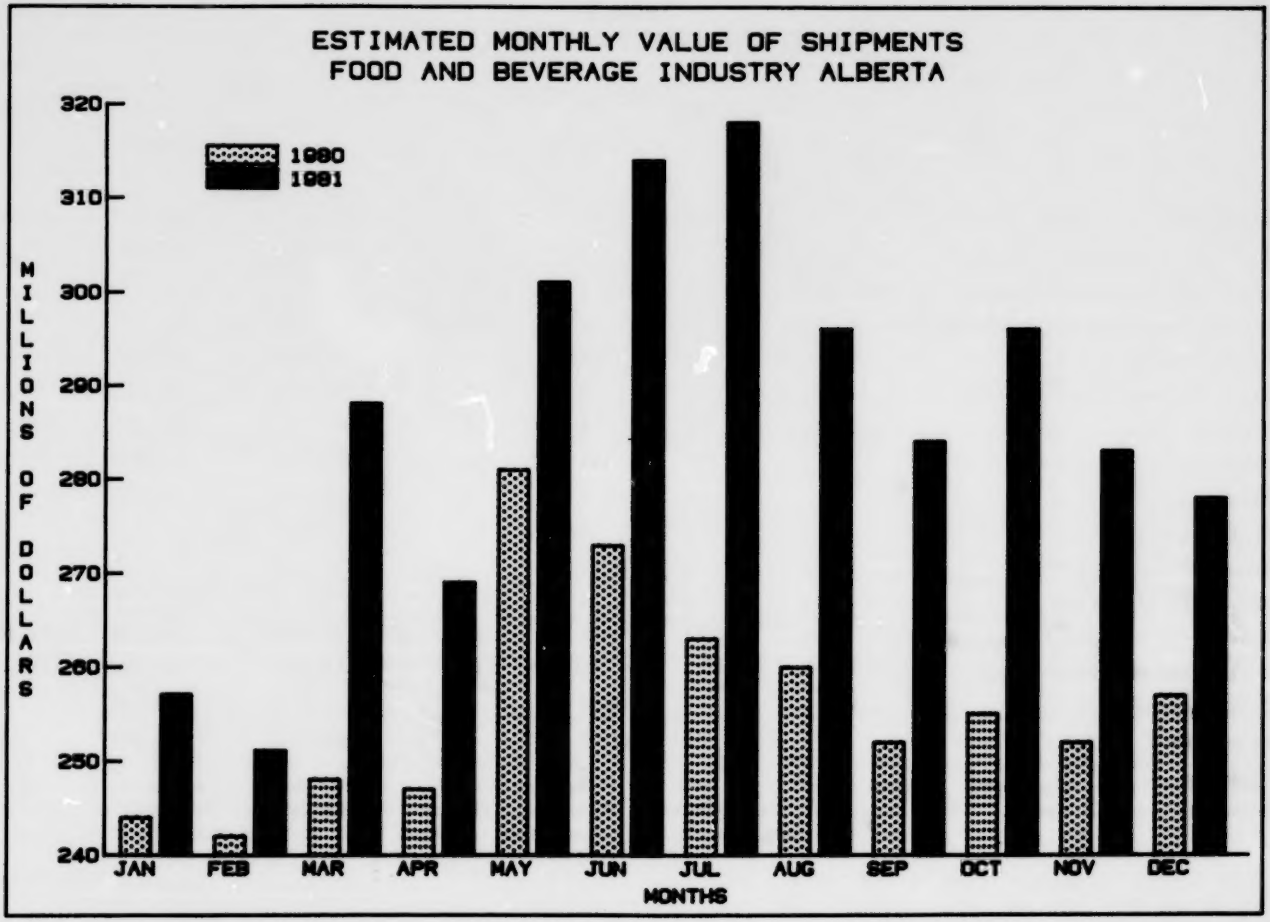
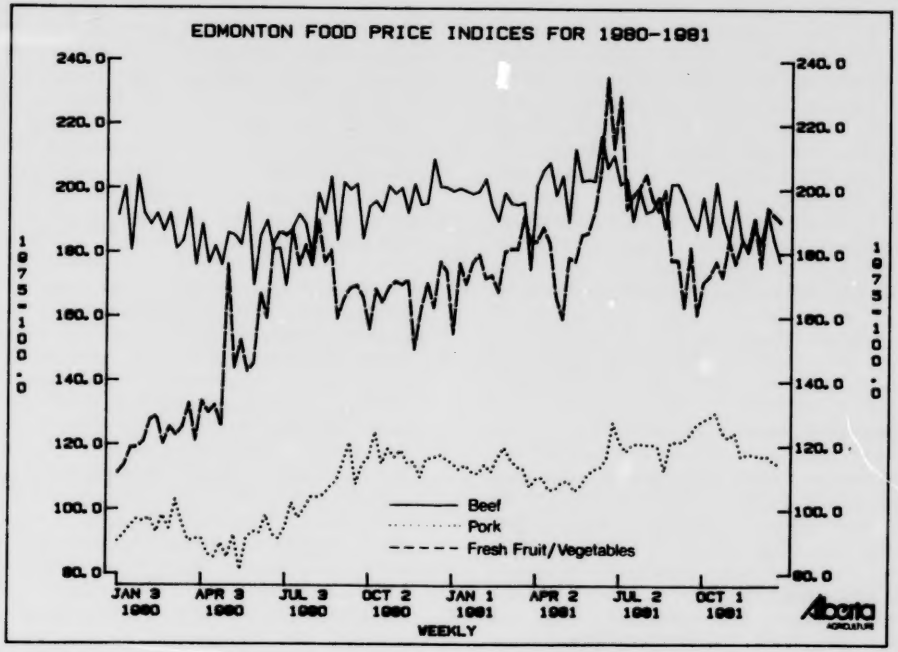

ESTIMATED MONTHLY VALUE OF SHIPMENTS
FOOD AND BEVERAGE INDUSTRY ALBERTA
1980
1981
MILLIONS OF DOLLARS
320
310
300
290
280
270
260
250
240
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS

Table 9
FOOD AND BEVERAGE INDUSTRY

	Establishments			Value of Shipments		
	1978	1979	1980[p]	1978	1979	1980[p]
	- number -			- $'000 -		
Slaughtering and Meat Packing	66	68	72	1,392,053	1,609,872	1,565,983
Poultry Processors	5	5	5	67,749	74,064	85,175
Fruit and Vegetable Canners and Preservers.	3	3	3	*	*	*
Frozen Fruit and Vegetable Processors	3	3	2	*	*	*
Dairy Products.	44	45	38	232,364	250,591	305,811
Flour and Breakfast Cereals	6	6	5	61,923	77,125	81,137
Feeds	72	75	77	147,665	186,208	232,576
Bakeries	137	164	139	64,521	77,908	90,459
Biscuits.	1	1	1	*	*	*
Confectionery	4	3	2	900	*	*
Cane and Beet Sugar	3	1	1	*	*	*
Vegetable Oil Mills	4	4	4	*	*	*
Miscellaneous Food Processors, n.e.s.	17	17	20	95,488	119,578	134,432
Soft Drink Manufacturers.	15	15	15	50,454	62,358	91,680
Distilleries.	3	3	3	*	*	*
Breweries	5	5	5	63,492	65,500	51,907
Wineries	3	2	2	*	*	*
Total	391	420	394	2,424,229	2,824,697	3,025,456

* confidential
n.e.s. - not elsewhere specified
[p] preliminary



Prices of 60 food items are monitored each week at the stores of major food chains in Edmonton and Calgary. The prices are weighted to account for the estimated market share held by each chain as well as the relative importance of each item in the total food at home budget.

The retail beef price index was reasonably stable through the past two years, falling off the last half of 1981 in response to seasonal pressures and lower pork prices.

The retail pork price index increased steadily but not dramatically throughout the two year period, ending about 20-25 points higher than the lows of 1980.

The fresh fruit and vegetable price index continued its dramatic climb through 1981 due mainly to lower acreages from both domestic and imported production areas and increasing fuel and transportation costs.

FIELD CROPS

The winter of 1980-81 was characterized by an early cold period followed by mild weather and below normal precipitation. The lack of snow-cover and very cold temperatures raised fears of winterkill damage to the fall-seeded crops and to alfalfa and clover crops in the northern and Peace River regions. Mild weather later in December in the northern areas resulted in ice covering many fields, thus increasing the winterkill potential in the legume crops. The remaining winter period was relatively mild and dry. Fall rye and winter wheat showed little evidence of winterkill but the legume crops in the northern half of the province suffered extensive damage and many fields were ploughed under.

Cool dry weather continued into April and by the end of the month, tillage and seeding operations had begun in nearly all areas. Soil moisture levels were very low in the southern half of the province, and soil drifting was causing concern. Cold soil temperatures limited seeding activity in northern areas. During May, farmers made excellent progress with their spring planting, and by month-end, many were finished. Heavy rains throughout central and southern regions provided excellent moisture conditions and promoted the growth of forage and fall-seeded crops. Northern areas received little precipitation and hay and pasture development was very slow. Soil moisture conditions were generally good and farmers responded by seeding a record number of acres. Summerfallow acreage dropped to 5.15 million acres, the lowest level since 1940.

Most farmers completed their planting operations by the first week of June although excessive moisture in southwestern districts delayed seeding progress. Rain during the month maintained very good soil moisture conditions in southern, central and northwestern regions and crop development was rated as good. Northeastern and Peace River regions received only scattered showers. In these areas, early seeded crops were generally good but the later crops were uneven and patchy reflecting poor germination due to the lack of moisture. Forage growth was also hampered by the lack of rain and winterkill damage. Fleabeetles were evident in most canola fields but damage was light. Some canola fields in the northwestern and Peace River regions were reseeded because of disease, poor germination and insect damage.

Crop prospects continued to look promising during July as warm temperatures and showers provided good growing conditions throughout much of the province. However, the driest areas received the least rain and crops in many Peace River and northeastern districts began to show heat and drought stress with a corresponding decline in yield potential. In southern and central areas, fall-seeded crops showed promise of exceptional yields and all crops were in very good to excellent condition. Crop development advanced rapidly during July and by month-end, early seeded crops had begun to turn colour. Early hay crops were taken off in excellent condition with some weathering loss in later fields. Hay yields were above average in central and southern regions but below average in northeastern and Peace River districts. Pastures were poor and overgrazed in the drier areas.

Warm weather during August rapidly advanced all crops. By mid-month, swathing of the spring crops was underway in all areas and combining was general in the Peace River, eastern and southern regions. Below average yields were reported in many northeastern and Peace River districts due to drought and heat stress but southern and central areas indicated excellent results. By the end of August, virtually all of the fall rye and winter wheat had been harvested as well as nearly half of the spring-seeded crops. Progress was furthest advanced

in the Peace River and eastern districts while western areas were the slowest due to late-seeded crops and extensive lodging in oats and barley crops. In southern and western districts, many farmers were able to put up a good second hay crop. Pastures were also described as good in these areas but forage growth in the northeastern and Peace River regions during the summer was disappointing. Consequently, many pastures were badly overgrazed.

Excellent harvest weather continued into September and many producers completed their 1981 harvest without interruption. By the first week in October, combining was essentially complete. The only crops still to be harvested were in southwestern and west central districts where late seeded crops were just reaching maturity and intermittent shower activity slowed threshing operations. Fall tillage and straw baling was also completed much earlier than usual. The lack of rainfall during August and September left surface moisture levels very low and reduced the area seeded to fall rye and winter wheat. Very little grazing was left in most pastures in the northern half of the province and livestock were turned into stubble fields. The irrigated crops were taken off in good condition although the potato and sugar beet harvest in southern Alberta was delayed by high temperatures.

Despite drought and heat stress in the northeastern and Peace River regions all crops, on a provincial basis, produced above average results. Record yields were set for wheat, rye, flaxseed and sugar beets while oats and barley produced the second highest yields on record. Canola yields, while not at record levels, were better than the long term average as was the provincial hay yield figure. Total production of the six major grains and oilseeds exceeded 15.1 million tonnes, easily surpassing the previous record of 13.9 million tonnes established in 1980.

In addition to producing a record tonnage, farmers in Alberta took off an exceptionally high quality crop. Nearly perfect harvest weather allowed most producers to harvest their crop free of weather damage and many growers in northern areas received grades rarely if ever seen in their district. Over 80 per cent of wheat is expected to fall into the top two grades and over 90 per cent of the barley will grade #1 Feed or higher. Grade reductions were primarily due to low test weights due to heat and drought stress in the drier areas and some ergot problems in south central districts. Most of the oilseed crops will also grade #1 Canada.

The 1981 Statistics Canada estimates of the average yields per acre of the principal grains and oilseeds (with the previous five-year average in brackets) are as follows - IN KILOGRAMS PER ACRE - wheat 930 (815), oats 935 (895), barley 1 055 (1 015), rye 1 075 (745), flaxseed 560 (455), canola/rapeseed 485 (465). IN BUSHELS PER ACRE - wheat 34.2 (30.0), oats 60.7 (58.1), barley 48.5 (46.6), rye 42.3 (29.3), flaxseed 22.0 (17.9), canola/rapeseed 21.3 (20.6).

INSECTS AND DISEASES

Disease problems were relatively minor during 1981. Seedling blight, in combination with patchy germination and insect infestations, reduced canola stands to the point where some fields had to be reseeded. Other canola diseases such as sclerotinia and white rust were also evident but minimal damage was reported. In southern Alberta, yields in some fields of winter wheat were reduced by root rot and some dry bean crops had mold problems. Ergot was also more prevalent than usual in several south central districts.

Insect damage was generally light during the crop year. Fleabeetles were common in most regions

but infestations were less severe than in past seasons. Some spraying for grasshoppers took place in the Strathmore - Hanna areas and northern regions reported higher than usual concentrations of hoppers. Root maggots infested canola crops in the Edmonton region. Aphids and forest tent caterpillars were a problem in shelterbelts and treed areas.

HAIL AND WEATHER DAMAGE

Crop losses in Alberta were well below normal in 1981. According to the Alberta Hail and Crop Insurance Corporation, the loss to premium ratio was the lowest since 1974. Despite expanded coverage, total claims by Alberta farmers dropped to just over $27 million dollars from $30 million dollars in 1980. Most of the claims arose from drought losses in northeastern and Peace River districts and hail damage in the southern half of the province.

Hail insurance claims were the largest single component with $13.7 million dollars paid out under the Hail Endorsement Program alone. The worst storm, in terms of damage, occurred on July 29. This hail storm caused extensive property damage in Calgary and crop damage as far south as Lomond and eastward into the Eastern Irrigation District. Other hail storms were relatively small and were generally confined to an area south of a line from Olds to Hanna and Oyen.

IRRIGATION

The irrigation of field crops is an important aspect of agriculture in Alberta. Currently about half of Canada's total irrigated land is in this province and this percentage is expected to increase with the expansion of the irrigation networks. Approximately 5,300 farms utilize irrigation water in the production of a wide variety of crops.

Irrigation is mainly concentrated in the southern and south central regions of Alberta with most of water being supplied by the Bow, Oldman and St. Mary Rivers. In 1981, the thirteen irrigation districts had over one million acres of irrigable land with water actually applied to 854,000 acres.

Cereal grains and hay are the most common crops grown on irrigated land and accounted for over 70 per cent of the irrigated acreage. All of the sugar beets and about 85 per cent of the total acreage of commercial potatoes and vegetables are irrigated.

Table 10
IRRIGATION BY DISTRICT, 1981

District	Acres Irrigable*	Actually Irrigated
Aetna	3,096	2,500
Bow River	174,641	140,300
Eastern	230,553	216,200
Leavitt	4,457	4,476
Lethbridge Northern	113,845	90,552
Magrath	10,963	8,650
Mountain View	3,710	2,783
Raymond	35,385	19,462
Ross Creek	1,776	-
St. Mary River	299,548	259,564
Taber	70,819	66,206
United	33,417	15,064
Western	79,523	28,389

* Permanent and Terminable Acres

Table 11
CROP ACRES IN THE MAJOR IRRIGATION DISTRICTS[1]

	1978	1979	1980	1981
			- acres -	
Total Grains[2]	383,317	411,841	421,450	446,143
Total Oilseeds[3]	42,849	82,168	51,208	30,809
Total Hay[4]	161,664	175,623	174,943	167,676
Total Tame Pasture	52,964	73,810	65,197	53,105
Total Other Fodder[5]	21,990	33,015	29,019	37,248
Total Sugar Beets	31,085	32,474	33,662	35,484
Total Potatoes	10,196	11,396	9,662	11,153
Total Other Specialty Crops[6]	40,364	55,888	75,388	48,552
Total Crops Irrigated	744,429	876,215	860,529	830,170
Total Summerfallow	11,647	13,809	14,406	8,769
Total Irrigated Cropland	756,076	890,024	874,935	838,939

[1] Does not include data for the Irrigation Districts of Aetna, Leavitt, Mountain View, Ross Creek and in 1981 data was not available from the Western Irrigation District.

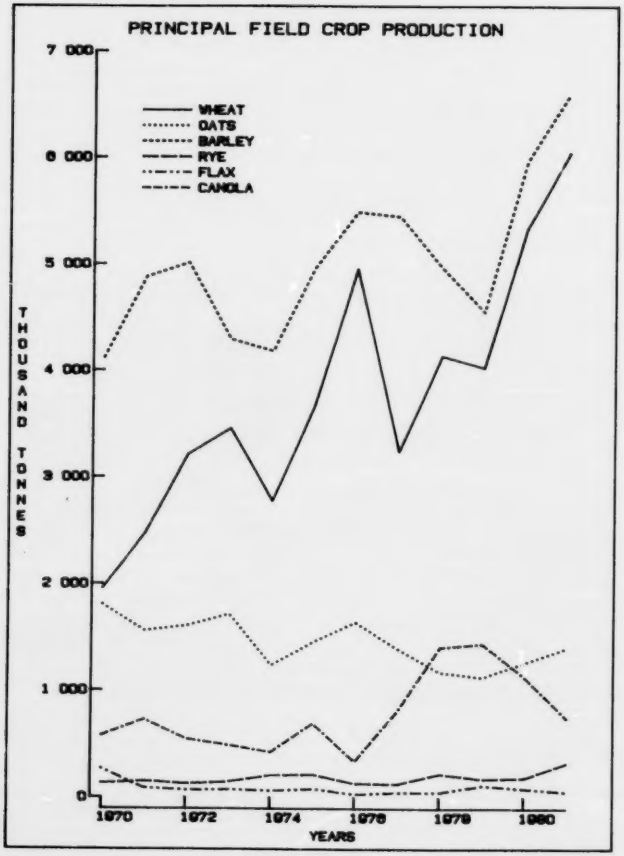
[2] Wheat, oats, barley, mixed grain and rye.

[3] Flaxseed, canola/rapeseed, sunflowers and mustard.

[4] Alfalfa hay and sweet clover hay.

[5] Greenfeed, silage corn, silage and grass hay.

[6] Peas, canning corn, timothy, brome grass, alfalfa seed, sweet clover seed, small seeds and misc. crops.


PRINCIPAL FIELD CROP PRODUCTION
7 000
6 000
5 000
4 000
3 000
2 000
1 000
0
THOUSAND TONNES
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
1970
1972
1974
1976
1978
1980
YEARS

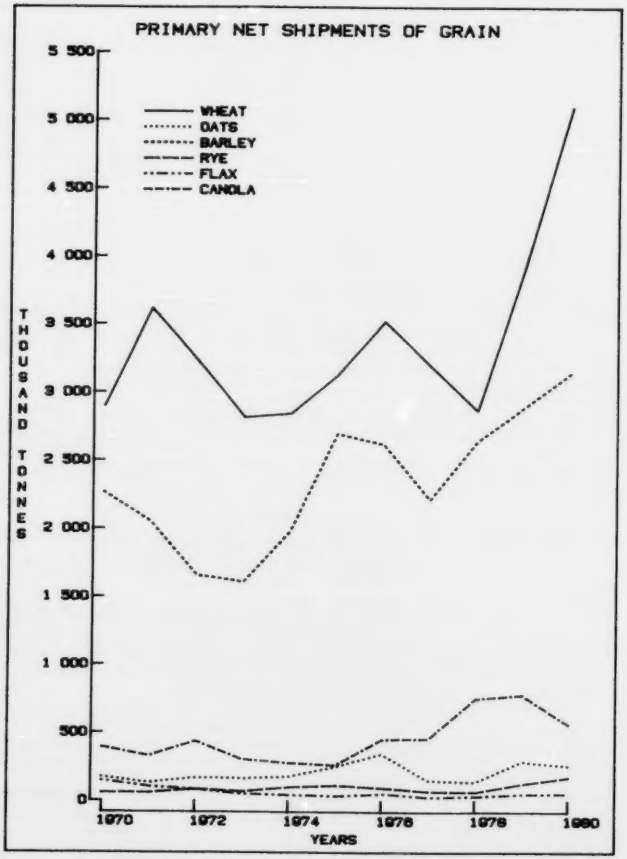

PRIMARY NET SHIPMENTS OF GRAIN
5 500
5 000
4 500
4 000
3 500
3 000
2 500
2 000
1 500
1 000
500
0
THOUSAND TONNES
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
1970
1972
1974
1976
1978
1980
YEARS

Table 12
MUNICIPAL CO-OPERATIVE SEED CLEANING

	1979-80	1980-81
	- bushels -	
Commercial Seed	21,798,675	25,162,912
Pedigree Seed	891,122	891,115
Total Seed	22,689,797	26,054,027
Dockage Removed	4,041,860	2,788,489
Total Cleaning	26,731,657	28,842,516
Average Per Plant	356,422	379,507
Treated Seed	2,557,221	2,672,439

Table 13
AVERAGE SEEDING RATES PER ACRE

	1978	1979	1980	1981
		- kilograms -		
Spring Wheat	38	38	38	38
Oats	34	34	34	34
Barley	37	37	37	37
Spring Rye	28	28	28	28
Flaxseed	15	15	15	15
Canola/Rapeseed	3	3	3	3

Table 14
FERTILIZER SALES

	1980	1981
	- tonnes -	
82-0-0 (Anhy. Amm.)	132 782	158 601
34-0-0 (Amm. No_3)	102 131	108 583
46-0-0 (Urea)	114 295	157 311
21-0-0 (Amm. SO_4)	17 420	20 943
28-0-0 (N. Soln.)	18 195	23 041
23-23-0	36 800	40 647
27-14-0	10 530	12 625
Urea Phosphates	6 266	10 315
11-48-0	79 985	90 339
11-51-0	-	89 913
11-55-0	116 481	74 360
Other MAP	21 645	-
18-46-0	631	659
16-20-0	19 701	19 685
10-34-0 (Soln.)	1 723	1 837
0-0-60 (KCI)	21 347	22 426
Others	17 690	17 156
Mixed (N/P/K)	11 437	10 772
Total	729 059	859 213
Nutrients:		
Nitrogen	249 603	302 154
Phosphate	155 826	154 623
Potash	17 489	14 732

Table 15
FERTILIZER USE

A.R.A.	1980	1981
	- '000 tonnes -	
1	20	25
2	140	162
3	96	120
4A	66	89
4B	90	115
5	148	149
6	72	87
7	97	112
Province	729	859

Table 16
INTENDED AND SEEDED AREAS OF PRINCIPAL FIELD CROPS

	1980		1981	
	Intended	Seeded	Intended	Seeded
	- thousand acres -			
All Wheat	5,750	5,900	6,300	6,500
Durum Wheat	350	350	400	450
Oats[1]	1,750	1,800	2,000	2,000
Barley[1]	5,550	5,650	6,300	6,450
Rye	290	250	325	300
Flaxseed	150	170	120	100
Canola/Rapeseed	2,500	2,200	1,500	1,550
Mixed Grain	250	200	150	200
Summerfallow	5,850	5,900	5,500	5,150

[1] Includes oats and barley for grain and for hay.

NOTE: Intentions at March 15.

Table 17
HAIL AND CROP INSURANCE

	No. of Farmers Insured	Acres Insured	Premium Paid by Farmers*	Total Liability	Indemnities
		'000	$'000	$'000	$'000
1967	9,892	2,271	1,930	36,857	1,200
1968	15,763	3,910	3,449	63,950	5,508
1969	16,201	3,561	3,135	57,105	6,298
1970	12,856	2,306	2,102	31,941	1,699
1971	11,323	2,429	2,173	33,310	2,410
1972	10,202	2,314	2,146	37,073	2,119
1973	12,296	3,201	3,995	73,399	6,436
1974	13,883	3,838	7,229	125,863	13,806
1975	18,685	5,113	13,699	215,976	18,320
1976	18,580	5,343	15,274	229,289	16,500
1977	20,878	6,301	18,476	279,520	38,130
1978	19,258	5,908	18,222	259,967	22,686
1979	18,253	5,882	19,636	280,471	26,846
1980	18,862	6,640	26,718	381,048	32,026
1981[p]	18,695	7,022	31,372	484,074	26,328

[p] preliminary

* Includes Provincial high risk subsidies.

Table 18
AREA, YIELD AND PRODUCTION OF PRINCIPAL FIELD CROPS

Census Division	Area		Yield Per Acre		Production	
	1980	1981	1980	1981	1980	1981
	- acres -		- kilograms -		- tonnes -	
			ALL WHEAT			
1	546,000	579,000	770	910	420 000	526 000
2	769,000	880,000	1 020	1 180	785 000	1 037 000
3	226,000	264,000	850	1 105	192 000	292 000
4	566,000	582,000	610	675	346 000	392 000
5	940,000	1,050,000	940	1 120	885 000	1 176 000
6 & 9	210,000	212,000	1 015	1 145	213 000	243 000
7	793,000	933,000	975	730	775 000	680 000
8	69,000	71,000	1 100	1 155	76 000	82 000
10	753,000	812,000	975	810	733 000	657 000
11	125,000	144,000	1 065	1 105	133 000	159 000
12	169,000	174,000	810	860	137 000	150 000
13) 14)	91,000	90,000	990	1 055	90 000	95 000
15	643,000	709,000	855	780	549 000	553 000
Province	5,900,000	6,500,000	905	930	5 334 000	6 042 000
			OATS FOR GRAIN			
1	33,000	27,000	725	890	24 000	24 000
2	22,000	22,000	1 090	1 180	24 000	26 000
3	61,000	99,000	870	1 000	53 000	99 000
4	70,000	73,000	700	670	49 000	49 000
5	37,000	39,000	975	1 105	36 000	43 000
6 & 9	58,000	72,000	1 070	1 180	62 000	85 000

Census Division	Area 1980	Area 1981	Yield Per Acre 1980	Yield Per Acre 1981	Production 1980	Production 1981
	- acres -		- kilograms -		- tonnes -	
		OATS FOR GRAIN (cont'd.)				
7	180,000	178,000	1 005	730	181 000	130 000
8	82,000	97,000	1 095	1 165	90 000	113 000
10	199,000	283,000	960	840	191 000	238 000
11	180,000	230,000	1 065	1 095	192 000	252 000
12	103,000	106,000	905	915	93 000	97 000
13) 14)	164,000	147,000	1 030	1 055	169 000	155 000
15	111,000	127,000	910	725	101 000	92 000
Province	1,300,000	1,500,000	975	935	1 265 000	1 403 000
		BARLEY FOR GRAIN				
1	76,000	60,000	960	1 115	73 000	67 000
2	288,000	282,000	1 395	1 440	402 000	406 000
3	285,000	299,000	1 135	1 215	324 000	364 000
4	48,000	79,000	810	825	39 000	65 000
5	400,000	453,000	1 200	1 320	481 000	599 000
6 & 9	584,000	652,000	1 155	1 265	675 000	824 000
7	360,000	392,000	1 200	830	432 000	325 000
8	715,000	813,000	1 175	1 205	839 000	978 000
10	643,000	748,000	1 120	930	719 000	694 000
11	513,000	587,000	1 110	1 120	570 000	658 000
12	192,000	246,000	945	980	181 000	241 000
13) 14)	419,000	508,000	1 020	1 065	427 000	541 000
15	877,000	1,131,000	915	740	804 000	835 000
Province	5,400,000	6,250,000	1 105	1 055	5 966 000	6 597 000

A.R.A.	Area		Yield Per Acre		Production	
	1980	1981	1980	1981	1980	1981
	- acres -		- kilograms -		- tonnes -	
			FLAXSEED			
1	9,400	9,400	530	615	5 000	5 800
2	69,800	43,600	535	660	37 400	28 800
3	18,400	11,400	515	630	9 500	7 200
4A	19,600	12,200	590	460	11 600	5 600
4B	5,400	3,400	480	440	2 600	1 500
5	1,400	900	500	625	700	500
6	3,900	2,400	485	500	1 900	1 200
7	42,100	16,700	360	315	15 100	5 300
Province	170,000	100,000	495	560	83 800	55 900
			CANOLA / RAPESEED			
1	8,900	6,300	440	510	3 900	3 200
2	211,500	136,100	570	660	120 700	89 700
3	165,100	116,300	500	620	82 600	72 100
4A	306,000	244,300	605	505	185 100	123 800
4B	376,700	307,200	570	510	214 300	156 600
5	234,900	137,300	510	545	120 200	75 100
6	184,100	95,600	455	475	83 900	45 600
7	712,800	506,900	455	360	323 300	182 300
Province	2,200,000	1,550,000	515	485	1 134 000	748 400
			FALL RYE			
1-3	190,800	225,000	775	1 180	147 700	266 000
4A-6	35,000	44,800	635	780	22 200	35 000
7	4,200	5,200	665	730	2 800	3 800
Province	230,000	275,000	750	1 110	172 700	304 800

A.R.A.	Area		Yield Per Acre		Production	
	1980	1981	1980	1981	1980	1981
	- acres -		- kilograms -		- tonnes -	
			SPRING RYE			
1-3	12,900	16,200	595	710	7 700	11 500
4A-6	6,700	8,300	700	710	4 700	5 900
7	400	500	750	800	300	400
Province	20,000	25,000	635	710	12 700	17 800
			ALL RYE			
1-3	203,700	241,200	765	1 150	155 400	277 500
4A-6	41,700	53,100	645	770	26 900	40 900
7	4,600	5,700	675	735	3 100	4 200
Province	250,000	300,000	740	1 075	185 400	322 600
			TAME HAY			
1	147,200	145,000	1 220	1 650	179 500	239 100
2	284,800	290,100	2 295	2 815	653 700	816 100
3	437,300	415,900	1 640	2 130	716 500	886 500
4A	164,000	151,100	975	975	159 800	147 100
4B	261,900	252,000	1 220	1 300	320 100	327 900
5	871,000	888,800	1 845	2 080	1 608 700	1 846 700
6	890,700	903,800	1 595	1 560	1 420 600	1 409 200
7	643,100	653,300	1 305	1 175	837 800	768 400
Province	3,700,000	3,700,000	1 595	1 740	5 896 700	6 441 000
			OTHER CROPS			
Winter Wheat	200,000	250,000	885	1 240	176 900	310 200
Durum Wheat	350,000	450,000	825	1 005	288 500	451 800
Mixed Grains	200,000	200,000	1 250	1 190	249 500	238 100
Corn for Grain	5,500	7,000	2 635	2 685	14 500	18 800
Peas, dry	8,000	10,000	990	890	7 900	8 900
Mustard Seed	50,000	35,000	510	545	25 400	19 000
Potatoes	16,000	16,200	11 610	10 390	185 800	168 300
Sugar Beets	34,140	35,000	15 365	20 425	524 600	714 800
Fodder Corn	28,500	24,000	15 275	17 010	435 400	408 200

Table 19
SEEDED AREA AND PRODUCTION ON SUMMERFALLOW AND STUBBLE

	Seeded Area		Distribution		Average Yield Per Seeded Acre		Production	
	1980	1981	1980	1981	1980	1981	1980	1981
	- '000 acres -		- per cent -		- kilograms -		- '000 tonnes -	
WHEAT								
Summerfallow	3,507	3,608	59	56	920	1 005	3 219	3 628
Stubble	2,393	2,892	41	44	885	835	2 115	2 414
Total	5,900	6,500	100	100	905	930	5 334	6 042
OATS FOR GRAIN								
Summerfallow	371	410	29	27	1 040	1 035	386	424
Stubble	929	1,090	71	73	945	900	879	979
Total	1,300	1,500	100	100	975	935	1 265	1 403
BARLEY FOR GRAIN								
Summerfallow	1,021	957	19	15	1 245	1 225	1 272	1 174
Stubble	4,379	5,293	81	85	1 070	1 025	4 694	5 423
Total	5,400	6,250	100	100	1 105	1 055	5 966	6 597
FLAXSEED								
Summerfallow	97	58	57	58	555	620	54	36
Stubble	73	42	43	42	410	475	30	20
Total	170	100	100	100	495	560	84	56
CANOLA/RAPESEED								
Summerfallow	1,404	867	64	56	550	525	769	456
Stubble	796	683	36	44	460	430	365	292
Total	2,200	1,550	100	100	515	485	1 134	748

Table 20
SUMMERFALLOW AREA

Census Division	1980	1981
	- thousand acres -	
1	560	535
2	629	584
3	243	211
4	581	557
5	1,027	907
6 & 9	218	185
7	639	510
8	127	107
10	642	549
11	158	117
12	139	125
13) 14)	229	188
15	708	575
Province	5,900	5,150

Table 21
GRAIN QUALITY IN PERCENTAGES

WHEAT

	1 C.W. R.S.	2 C.W. R.S.	3 C.W. R.S.	No. 1&2 Canada Utility
1980	15	14	33	3
1981	48	26	10	1

	Canada Feed	Durum	Winter	Soft White Spring
1980	20	7	5	3
1981	1	7	4	3

BARLEY

	1-2 C.W. 6 Row	1-2 C.W. 2 Row	Feed Grades
1980	2	8	90
1981	5	10	85

CANOLA / RAPESEED

	No. 1 Canada	No. 2 Canada	No. 3 Canada	Sample
1980	83	14	2	1
1981	94	5	1	-

Table 22
PRECIPITATION RECORDED AT SELECTED ALBERTA STATIONS

Stations	April 1 - October 31 Incl. 1980	1981	Normal
		- millimetres -	
Medicine Hat	240.4	252.1	250.7
Brooks	240.2	301.9	233.4
Lethbridge	345.9	348.1	315.1
Pincher Creek	456.7	411.5	391.2
Calgary	374.4	446.3	341.7
Coronation	320.5	272.5	287.4
Red Deer	446.4	529.9	379.0
Vermilion	334.3	155.0	330.5
Edmonton	509.7	330.5	354.4
Whitecourt	510.4	355.9	414.7
Fort Mcmurray	379.9	300.3	345.9
Grande Prairie	320.0	189.6	302.6
Peace River	263.7	160.0	269.1

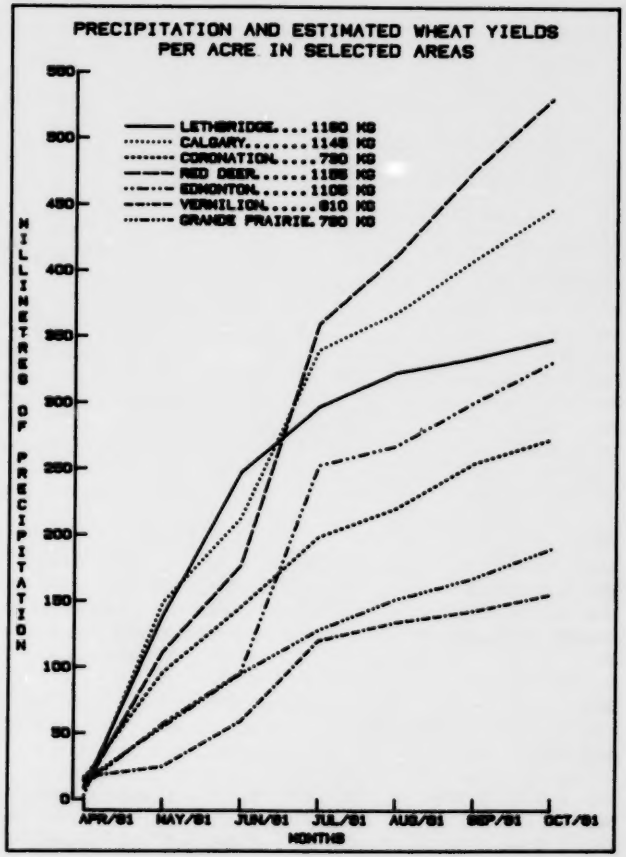


Table 23
WHEAT BOARD PAYMENTS, 1980-81

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
WHEAT[1]				
No. 1 C.W. R.S.(13.5)	147.76	40.34	28.19	216.29
No. 1 C.W. R.S.	145.55	40.34	25.62	211.51
No. 2 C.W. R.S.	139.76	40.34	27.24	207.34
No. 3 C.W. R.S.	134.76	40.34	23.71	198.81
No. 1 C.U.	132.76	40.34	19.13	192.23
No. 2 C.U.	126.76	40.34	-	167.10
Canada Feed	116.76	40.34	-	157.10
No. 1 C.W. R.W.	134.76	40.34	31.62	206.72
No. 2 C.W. R.W.	131.76	40.34	32.62	204.72
No. 3 C.W. R.W.	125.76	40.34	35.62	201.72
No. 1 C.W. S.W.S.	134.76	40.34	31.14	206.24
No. 2 C.W. S.W.S.	131.76	40.34	33.14	205.24
No. 3 C.W. S.W.S.	125.76	40.34	35.14	201.24
No. 1 C.W. A.D.	173.11	55.28	0.58	228.97
No. 2 C.W. A.D.	170.32	55.28	0.44	226.04
No. 3 C.W. A.D.	168.32	55.28	-	223.60
OATS[2]				
No. 1 C.W.	81.17	30.00	12.79	123.96
No. 2 C.W.	79.17	30.00	12.79	121.96
Ex. No. 1 Feed	77.17	30.00	8.29	115.46
No. 1 Feed	54.25	20.00	37.30	111.55
No. 2 Feed	50.17	20.00	39.22	109.39
No. 3 Feed	47.17	20.00	40.29	107.46
BARLEY[3]				
No. 1 C.W. 6-Row	114.93	6.99	15.82	137.74
No. 2 C.W. 6-Row	113.93	6.99	15.92	136.84
No. 1 C.W. 2-Row	114.93	6.99	15.82	137.74
No. 2 C.W. 2-Row	113.93	6.99	15.92	136.84
No. 1 Feed	112.00	6.99	15.55	134.54
No. 2 Feed	109.43	6.99	17.42	133.84
No. 3 Feed	104.43	6.99	18.62	130.04

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
DESIGNATED BARLEY[3]				
No. 1 C.W. 6-Row	122.46	34.80	38.99	196.25
No. 2 C.W. 6-Row	121.91	34.80	39.30	195.29
No. 1 C.W. 2-Row	122.46	34.80	38.99	196.25
No. 2 C.W. 2-Row	121.19	34.80	39.29	195.28
No. 1 Feed	117.96	34.80	39.51	192.27
No. 2 Feed	115.96	34.80	40.56	191.32
No. 3 Feed	112.96	34.80	42.11	189.87

1 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $5.20 per tonne and $1.00 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.62 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.45 per tonne and $1.15 per tonne for removal of dockage (Alberta Wheat Pool).

R.S. - Red Spring
C.U. - Canada Utility
R.W. - Red Winter
S.W.S. - Soft White Spring
A.D. - Amber Durum

Table 24
WHEAT BOARD PAYMENTS, 1981-82

	Initial Payment $/tonne
WHEAT[1]	
No. 1 C.W. Red Spring (13.5)	165.55
No. 1 C.W. Red Spring	163.34
No. 2 C.W. Red Spring	157.55
No. 3 C.W. Red Spring	152.55
No. 1 Canada Utility	150.55
No. 2 Canada Utility	144.55
Canada Feed	134.55
No. 1 C.W. Red Winter	152.55
No. 2 C.W. Red Winter	149.55
No. 3 C.W. Red Winter	143.55
No. 1 C.W. Soft White Spring	152.55
No. 2 C.W. Soft White Spring	149.55
No. 3 C.W. Soft White Spring	143.55
No. 1 C.W. Amber Durum	163.34
No. 2 C.W. Amber Durum	160.55
No. 3 C.W. Amber Durum	158.55
OATS[2]	
No. 1 C.W.	101.32
No. 2 C.W.	99.32
Ex. No. 1 Feed	97.32
No. 1 Feed	95.32
No. 2 Feed	91.24
No. 3 Feed	88.24
DESIGNATED OATS[2]	
No. 1 C.W.	125.32
No. 2 C.W.	123.32
Ex. No. 1 Feed	121.32
No. 1 Feed	119.32
No. 2 Feed	115.32

	Initial Payment $/tonne
BARLEY[3]	
No. 1 C.W. 6-Row	114.22
No. 2 C.W. 6-Row	113.22
No. 1 C.W. 2-Row	114.22
No. 2 C.W. 2-Row	113.22
No. 1 Feed	111.29
No. 2 Feed	108.72
No. 3 Feed	103.72
DESIGNATED BARLEY[3]	
No. 1 C.W. 6-Row	146.56
No. 2 C.W. 6-Row	145.29
No. 1 C.W. 2-Row	146.56
No. 2 C.W. 2-Row	145.29
No. 1 Feed	142.06
No. 2 Feed	140.06
No. 3 Feed	137.06

1 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $5.75 per tonne and $1.00 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $8.65 per tonne and $1.62 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.15 per tonne and $1.15 per tonne for removal of dockage (Alberta Wheat Pool).

Table 25
AVERAGE MONTHLY CASH GRAIN PRICES, 1980-81

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
WHEAT - Canadian Wheat board Basis in Store Vancouver													
1 C.W. R.S. 13.5%	254.65	263.26	276.92	284.06	273.03	273.64	272.78	264.78	274.05	274.86	263.07	256.31	269.28
1 C.W. R.S. 12.5%	251.05	259.66	273.32	280.51	269.43	270.04	269.18	261.18	270.45	271.26	259.47	252.71	265.69
1 C.W. R.S. 11.5%	246.05	254.26	266.32	273.76	262.43	263.04	262.18	254.18	263.45	264.26	252.47	245.71	259.01
2 C.W. R.S. 13.5%	249.05	257.66	271.32	278.51	267.43	268.04	267.18	259.18	268.45	269.26	257.47	250.71	263.69
3 C.W. R.S. . . .	240.05	248.26	260.32	267.51	256.43	257.04	256.18	248.18	257.45	258.26	244.61	227.74	251.84
1 C.U.	240.05	248.26	260.32	267.51	256.43	257.04	256.18	248.18	257.45	258.26	246.47	239.71	252.99
2 C.U.	234.05	242.26	254.32	261.51	250.43	251.04	250.18	242.18	251.45	252.26	240.47	233.71	246.99
1 C.W. R.W. . . .	245.05	253.26	266.32	274.51	263.43	264.04	263.18	255.18	264.45	265.26	251.61	234.74	258.42
2 C.W. R.W. . . .	243.05	251.26	264.32	272.51	261.43	262.04	261.18	253.18	262.45	263.26	249.61	232.74	256.42
3 C.W. R.W. . . .	240.05	248.26	261.32	269.51	258.43	259.04	258.18	250.18	259.45	260.26	246.58	229.74	253.42
1 C.W. A.D. . . .	374.01	349.75	346.58	327.10	320.40	314.53	311.76	300.46	285.28	281.72	261.30	245.56	307.62
2 C.W. A.D. . . .	345.17	347.91	344.74	325.26	318.56	312.69	309.92	298.62	281.03	276.72	256.30	240.56	304.79
3 C.W. A.D. . . .	343.33	346.07	342.90	319.17	311.72	305.85	303.08	291.78	274.19	269.88	249.46	233.72	299.26
OATS - Domestic - Canadian Wheat Board Basis in Store Thunder Bay													
1 C.W.	145.50	158.67	162.50	166.50	177.50	177.50	177.50	177.50	177.50	177.50	177.50	177.50	171.10
2 C.W.	143.50	155.75	160.50	164.50	175.50	175.50	175.50	175.50	175.50	175.50	175.50	175.50	169.02
Ex. 1 Fd. . . .	137.00	150.83	153.84	158.00	169.00	169.00	169.00	169.00	169.00	169.00	169.00	169.00	162.64
1 Feed	132.42	138.05	133.00	144.90	149.52	150.49	146.40	141.54	140.16	139.87	138.01	133.82	140.68
2 Feed	130.42	136.05	131.00	142.90	147.52	148.49	144.40	138.54	137.16	137.27	135.01	130.82	138.30
3 Feed	128.42	134.05	129.00	140.87	145.52	146.49	142.40	136.54	135.16	134.87	133.01	128.82	136.26

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
						BARLEY - Canadian Wheat Board Basis in Store Thunder Bay							
Malting:													
1 C.W. 6-Row . .	216.00	216.00	219.20	221.00	226.00	226.00	226.00	226.00	224.00	216.00	202.50	187.40	217.18
2 C.W. 6-Row . .	215.00	215.00	218.20	220.00	225.00	225.00	225.00	225.00	223.00	215.00	201.50	186.40	216.18
1 C.W. 2-Row . .	216.00	216.00	219.20	221.00	226.00	226.00	226.00	226.00	224.00	216.00	202.50	187.40	217.18
2 C.W. 2-Row . .	215.00	215.00	218.20	220.00	225.00	225.00	225.00	225.00	223.00	215.00	201.50	186.40	216.18
Domestic:													
1 Feed	143.94	149.67	145.25	156.86	161.72	162.77	158.56	153.58	152.68	152.44	150.60	146.36	152.87
2 Feed	143.24	148.97	144.55	156.08	161.04	162.00	157.86	152.58	151.68	151.44	149.60	145.36	152.03
3 Feed	139.44	145.17	140.65	152.39	157.25	158.30	154.06	150.20	148.18	147.94	146.10	141.86	148.46
						RYE - Winnipeg Commodity Exchange Basis in Store Thunder Bay							
1 Canada	188.50	196.67	210.57	227.46	219.06	219.25	222.28	233.74	213.38	192.73	172.80	197.63	207.84
2 Canada	186.50	194.67	208.57	225.46	217.06	217.25	220.28	231.74	211.43	190.73	170.80	195.63	205.84
3 Canada	156.92	158.11	170.67	188.78	178.06	178.25	181.28	192.74	170.38	151.48	132.80	157.63	168.09
Ergoty	151.92	153.11	165.67	183.83	173.86	174.25	177.28	188.74	166.38	143.83	123.80	148.63	162.61
						FLAXSEED - Winnipeg Commodity Exchange Basis in Store Thunder Bay							
1 Canada	363.90	373.99	373.77	412.67	401.05	380.86	361.79	360.18	378.99	388.00	371.58	364.43	377.60
2 Canada	361.90	371.99	371.57	410.67	399.05	387.86	359.79	358.18	376.99	386.00	369.58	362.43	375.58
3 Canada	328.96	336.72	324.55	362.15	351.05	330.11	311.79	310.18	328.99	342.50	328.08	324.43	331.62
						CANOLA/RAPESEED - Winnipeg Commodity Exchange Basis Store Vancouver							
1 Canada	306.82	310.19	323.58	358.01	335.54	338.42	330.39	327.36	336.55	339.04	335.10	332.93	331.16
2 Canada	293.82	296.89	310.78	345.01	322.56	325.42	317.39	314.46	323.55	326.04	319.86	319.93	317.98

Table 26
NON-BOARD GRAIN PRICES, 1980-81

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
	- dollars per tonne -												
LETHBRIDGE													
Wheat	141.10	145.51	144.77	152.12	147.71	154.69	158.73	163.51	171.96	179.31	179.68	176.37	159.62
Oats	113.47	112.82	115.42	124.50	136.17	139.41	137.46	133.57	136.82	137.46	136.17	134.22	129.79
Barley	124.01	121.71	119.88	129.52	135.49	135.49	133.66	133.20	135.03	138.25	135.49	130.44	131.01
CALGARY													
Wheat	151.02	155.79	151.75	151.02	153.59	151.02	158.73	166.45	170.12	174.53	173.06	173.43	160.88
Oats	107.64	112.82	115.42	124.50	130.33	136.17	132.93	131.63	132.93	134.22	135.52	127.74	126.82
Barley	122.63	128.60	122.17	129.52	135.95	135.03	132.74	132.28	134.57	137.79	136.87	132.28	131.70
RED DEER													
Wheat	143.67	153.22	146.98	152.49	152.86	150.28	153.96	156.53	157.63	163.51	164.24	163.14	154.88
Oats	103.75	106.34	111.53	121.25	129.04	128.39	127.09	123.20	121.90	120.61	121.90	112.18	118.93
Barley	121.26	122.17	123.55	130.90	136.87	135.03	134.57	133.66	134.12	134.12	135.49	129.06	130.90
VERMILION													
Wheat	137.79	144.04	150.65	152.49	165.35	154.32	150.28	151.75	165.35	171.96	173.43	165.35	156.90
Oats	97.26	105.04	113.47	121.90	136.82	129.68	124.50	123.20	129.68	127.09	125.14	112.82	120.55
Barley	119.88	119.42	118.96	128.60	138.25	133.66	128.60	127.68	129.52	138.71	138.25	129.52	129.25
EDMONTON													
Wheat	155.06	166.08	156.16	153.22	155.43	151.38	158.00	162.04	169.76	165.35	165.35	169.76	160.63
Oats	106.99	114.12	114.12	120.61	131.63	131.63	129.68	128.39	127.74	129.68	119.96	121.25	122.98
Barley	125.85	126.77	125.85	129.52	138.25	136.41	134.57	135.49	136.87	131.36	130.44	134.57	132.16
PEACE RIVER													
Wheat	139.63	141.10	142.20	146.61	154.69	154.32	146.61	146.61	153.22	162.41	160.57	154.32	150.19
Oats	100.50	103.10	110.88	118.01	126.44	123.20	118.01	116.72	113.47	114.77	116.72	123.20	115.42
Barley	113.91	115.28	121.26	128.60	133.20	131.36	127.68	127.68	128.60	127.23	123.55	131.36	125.81

Table 27
ESTIMATED SUPPLIES ON FARMS

	1978-79	1979-80	1980-81
	- '000 tonnes -		
WHEAT			
Carryover	599	1 361	680
Production	4 137	4 028	5 334
Total Supplies	4 736	5 389	6 014
OATS			
Carryover	386	355	231
Production	1 172	1 126	1 265
Total Supplies	1 558	1 481	1 496
BARLEY			
Carryover	1 350	1 393	501
Production	4 964	4 550	5 966
Total Supplies	6 314	5 943	6 467
RYE			
Carryover	25	97	56
Production	223	175	185
Total Supplies	248	272	241
FLAXSEED			
Carryover	3	5	3
Production	51	112	84
Total Supplies	54	117	87
CANOLA/RAPESEED			
Carryover	14	91	120
Production	1 406	1 440	1 134
Total Supplies	1 420	1 531	1 254

Table 28
STOCKS OF GRAIN ON FARMS AT JULY 31

	Wheat	Oats	Barley	Rye	Flaxseed	Canola/ Rapeseed
	- '000 tonnes -					
1961	762	308	392	15	10	
1962	408	293	305	15	8	
1963	326	401	348	8	5	N
1964	544	586	544	13	5	/
1965	572	355	435	20	5	A
1966	626	386	435	25	10	
1967	1 089	463	675	18	10	9
1968	1 415	339	631	20	3	18
1969	2 313	447	1 393	25	5	4
1970	2 722	555	1 676	36	5	2
1971	1 851	478	631	46	53	2
1972	1 034	370	653	51	25	79
1973	544	339	827	18	3	2
1974	408	278	566	25	5	16
1975	354	231	479	36	13	34
1976	299	262	544	41	13	136
1977	1 334	308	631	25	5	11
1978	599	386	1 350	25	3	14
1979	1 361	355	1 393	97	5	91
1980	680	231	501	56	3	120
1981	299	231	501	18	10	159

Table 29
FORAGE SEED CROPS INSPECTED FOR PEDIGREE STATUS

	1980	1981
	- acres -	
Alfalfa	6,700	6,130
Alsike Clover	2,600	190
Altai Wild Ryegrass	-	120
Birdsfoot Trefoil	90	105
Bromegrass	3,200	3,720
Cicer Milkvetch	24	60
Creeping Red Fescue	7,900	7,718
Crested Wheatgrass	3,200	2,692
Intermediate Wheatgrass	80	-
Orchardgrass	-	386
Red Clover (single cut)	1,040	1,239
Reed Canarygrass	-	15
Sainfoin	45	30
Tall Wheatgrass	-	60
Timothy	16,300	5,404

Table 30
FORAGE SEED PRODUCTION

	1980	1981
	- '000 kg -	
Alfalfa	1 000	1 500
Alsike Clover	1 500	1 500
Bromegrass	300	300
Creeping Red Fescue	3 000	4 500
Crested Wheatgrass.	350	300
Red Clover (single cut)	2 000	2 000
Sweet Clover.	250	200
Timothy	950	750

Table 31
PROCESSED ALFALFA PRODUCTION

	Total Production	Exports	Value F.O.B. Plant
	- tonnes -		$'000
1971-72	17 000	-	900
1972-73	33 000	-	1,800
1973-74	48 000	-	4,800
1974-75	82 000	14 000	6,300
1975-76	97 000	29 000	8,200
1976-77	130 000	83 000	12,000
1977-78	166 000	87 000	13,800
1978-79	164 000	114 000	13,600
1979-80	181 000	130 000	17,900
1980-81	139 000	80 000	18,500

Table 32
TAME HAY PRODUCTION

	Area	Yield Per Acre	Production
	'000 ac.	- kilograms -	'000 tonnes
1977	3,700	1 570	5 800
1978	3,600	1 865	6 710
1979	3,600	1 740	6 260
1980	3,700	1 595	5 895
1981	3,700	1 740	6 440

Table 33
FODDER CORN PRODUCTION

		1980	1981
Area	ac.	28,500	24,000
Yield	kg/ac.	15 275	17 010
Production	tonnes	435 400	408 200
Average Value	$/tonne	22.50	22.00

Table 34
SUGAR BEET INDUSTRY

		1979	1980	1981
Contracted	ac.	33,793	35,609	35,405
Planted	ac.	33,356	34,850	35,139
Harvested	ac.	31,794	33,771	35,071
Production	tonnes	499 720	524 251	715 082
Average Yield	kg/ac.	15 720	15 520	20 390
Paid for Beets	$/tonne	74.05	66.99	n/a
Sugar Content	%	16.5	16.6	16.2
Sugar Produced	kg/tonne	115.9	114.0	103.2
Sugar Produced	kg/ac.	1 822	1 770	2 103

Table 35
COMMERCIAL VEGETABLE PRODUCTION

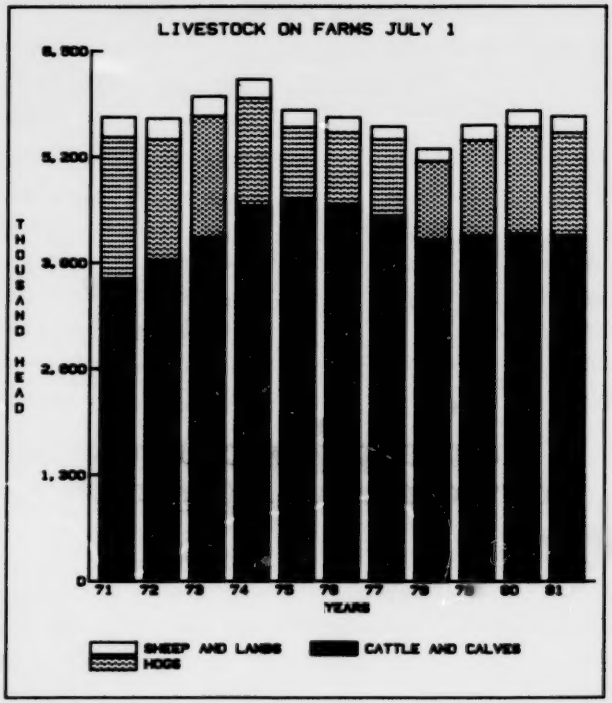
	Area		Production	
	1980	1981	1980	1981
	- acres -		- tonnes -	
Cabbage	380	350	4 310	3 520
Carrots	420	450	5 805	4 410
Corn, fresh	760	760	1 595	2 025
Cucumbers	150	150	285	295
Onions	200	220	1 680	2 230
Rutabagas	160	160	2 395	2 220
Potatoes	16,000	16,200	185 800	168 300

LIVESTOCK

In 1981, the Alberta livestock industry was generally characterized by high production, low consumer demand as a result of adverse economic circumstances, high cost of inputs, and less than satisfactory prices. Animals entered the spring in relatively good condition, thus ensuring a continued abundance of red meat supplies as average to above-average growing conditions prevailed in most parts of the province. Prices consequently came under pressure in the latter part of the year, with cattle prices in particular averaging well below 1980 levels. This situation combined with rising interest rates to create a harsh financial atmosphere for producers.

The mild winter conditions experienced in the province in 1979-80 again prevailed in 1980-81 as a brief, early cold period was succeeded by favourable weather for the rest of the season. This made for satisfactory winter weight gains and reduced the incidence of pneumonia, scours and livestock mortality. However, inadequate snow-cover and very cold temperatures resulted in extensive winterkill damage to legumes in many areas of the Peace River and northern regions. Farmers were left with no choice but to plough under several severely affected fields.

Sub-normal winter precipitation led to an early, dry spring. Consequently, forage growth was slow and pasture regeneration poor in many districts. The feeding period was therefore prolonged, to the extent that feed supplies neared exhaustion on most farms in the Peace River and northern regions. Adequate rainfall in May provided good moisture conditions and greatly enhanced the recovery of forage growth throughout central, western and southern Alberta, although northern areas remained dry with very little precipitation.



Soil moisture levels had become excellent by June in most regions as a result of regular rains. However, the Peace River and northeastern districts only received scattered showers and dry conditions prevailed.

Warm weather persisted from July through September. Excellent early hay crops were obtained but some weathering loss occurred in later fields. Yields in central and southern regions were above average and some farmers in these regions were able to grow a good second crop. Pastures were also well established in these areas.

The picture was not as bright in the northeastern and Peace River regions. Hay yields were disappointingly low and pastures were so seriously overgrazed that animals had to be turned unto stubble fields sooner than usual. Many producers in the drier districts were compelled to make up for the hay short-fall by seeding cereals for greenfeed, baling extra straw and procuring additional feed through the Alberta Livestock Feed Freight Assistance Program.

The 1981 provincial hay crop far exceeded 1980 production while the grain crop was the largest ever grown in the province. This ensured adequate nutrition for optimum livestock performance in the fall. Animals therefore entered the winter of 1981-82 in very good condition.

In retrospect, 1981 could have been a bumper year for livestock producers in Alberta had the economic climate been more favourable. Instead, persistent inflation and generally unfavourable prices created heavy financial losses for many farmers despite adequate feeds and high production.

Prices

Due to excessive output and a discouraging demand situation for red meats, livestock prices faced considerable market pressure in 1981. Although cattle prices on the whole averaged only slightly less than 1980 levels, they dropped markedly in the latter half of the year. At Calgary A1,2 slaughter steers declined from $79.09 per cwt. in May to $66.51 per cwt. in December--about $14 below the price in December of 1980--with an average of $73.93 per cwt. for the year. Cows (D1,2) averaged $48.52 per cwt. compared with $51.77 per cwt. in 1980.

After two consecutive years of decline, price levels in the hog sector recovered in 1981. The average hog price (Index 100 Edmonton) was $68.10 per cwt. Corresponding prices were $67.51, $64.35 and $57.22 per cwt. in 1978, 1979 and 1980, respectively.

Prices for all classes of sheep and lamb were lower in 1981 than in 1980 because of increased output. Lambs (Edmonton A,B) averaged $56.85 per cwt. while sheep (Edmonton D1,2) averaged $36.58 during the year. Comparative prices for 1980 were $62.85 and $42.70 per cwt.

Numbers

The National Livestock Survey estimate of cattle and calf numbers for Alberta was 4,230,000 as at July 1, 1981 down by 20,000 head from 1980 and up marginally by 5,000 head from 1979. During the same period, estimated hog numbers increased by almost 12% from 1,175,000 in 1979 to 1,310,000 in 1980 and then declined slightly (4%) to 1,255,000 in 1981.

Following an all-time low of 155,000 head in 1978, estimates of sheep and lamb numbers in the province have risen steadily to 205,000 as at July 1, 1981. This figure represents increases of 32%, 11% and almost 3% over 1978, 1979 and 1980, respectively.

Marketings

The number of steers and heifers marketed in 1981 at Alberta stockyards and shipped directly to packing plants was 1,132,106 up 5% from sales in the previous year. Federally inspected cattle slaughter increased by nearly 4% over 1980 to 1,294,827 while calf slaughter almost doubled to 8,009 from the previous year level of 4,181. At an average cold dressed carcass weight of 589 lbs for cattle and 178 lbs for calves, the total estimate of cold carcass yield from this slaughter volume is 764 million pounds.

Live cattle shipments to out-of-province distinations during the year amounted to 273,087 head. This was the lowest export volume since 1974.

A total of 1,686,835 hogs was slaughtered in federally inspected plants in Alberta in 1981, a decrease of 3% from 1980 yet higher than the slaughter volume in each of the years since 1973. Estimated pork production (cold dressed weight) during the year was 228.4 million pounds while live hog marketings amounted to 1,580,747. These represent slight reductions form corresponding 1980 levels.

Sheep and lamb marketings rose considerably throughout the country in 1981. In Alberta, total sales increased from 61,007 to 67,453 during the year. Slaughter in federally inspected plants was up 47% to 56,849. The estimated cold lamb and mutton weight from this slaughter volume was 2.5 million pounds.

Table 36
BRAND INSPECTION RECORD OF LIVE CATTLE AND CALF SHIPMENTS OUT-OF-PROVINCE

	1979	1980	1981
		- number -	
British Columbia	21,325	21,570	18,317
Saskatchewan	46,703	42,076	44,227
Manitoba	3,007	7,185	8,832
Ontario	180,207	194,119	149,025
Quebec	2,829	4,484	5,926
Maritimes	82	494	90
United States	29,342	36,262	37,460
Others	560	409	9,152
Total	284,055	306,599	273,087

Table 37
COWS BRED BY ARTIFICIAL INSEMINATION

Breed of Sire	1980 Dairy Cows	1980 Beef Cows	1980 Total Cows	1981 Total Cows
Ayrshire	344	1	345	581
Brown Swiss	283	44	327	284
Guernsey	228	-	228	248
Holstein-Friesian (B&W)	21,639	214	21,853	16,947
Jersey	540	1	541	747
Other	239	9	248	188
Total Dairy	23,273	269	23,542	18,995
Aberdeen Angus (Black)	302	1,404	1,706	1,155
Aberdeen Angus (Red)	54	289	343	279
Blonde d'Aquitaine	3	217	220	30
Charolais	10	1,447	1,457	484
Gelbvieh	2	97	99	92
Hays Converter	-	217	217	9
Hereford	270	3,623	3,893	3,959
Limousin	19	527	546	641
Maine Anjou	2	360	362	147
Murray Grey	1	137	138	112
Pinzgauer	-	142	142	66
Salers	-	95	95	149
Shorthorn	9	126	135	87
Simmental	136	3,248	3,384	1,546
Other	6	188	194	161
Total Beef	814	12,117	12,931	8,917
Grand Total	24,087	12,386	36,473	27,912

Note: These totals do not include semen sold directly to owner - inseminators or semen purchased and resold.

Table 38
CATTLE ON FARMS, JULY 1

1980

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total
					- thousands -				
1	5.6	1.6	0.5	81.0	17.0	75.0	8.0	37.0	225.7
2	7.7	12.3	3.5	133.0	17.6	112.0	33.0	90.0	409.1
3	5.6	4.5	3.4	102.0	13.3	90.0	19.0	45.0	282.8
4	5.7	1.6	0.2	110.0	19.4	96.0	6.0	16.0	254.9
5	5.8	4.0	1.4	81.0	14.4	73.0	14.0	73.0	266.6
6	7.9	11.6	3.9	145.0	23.8	125.0	41.0	64.0	422.2
7	9.1	6.6	0.8	158.0	17.7	148.0	40.0	52.0	432.2
8	8.7	21.1	8.0	150.0	40.1	136.0	27.0	74.0	464.9
9	-	-	-	1.0	-	-	-	1.5	2.5
10	8.0	14.5	4.0	151.0	12.5	129.0	31.0	37.0	387.0
11	5.8	35.9	14.1	101.0	14.1	114.0	22.0	34.0	340.9
12	3.5	8.4	2.5	75.0	7.1	63.0	12.0	21.0	192.5
13	6.2	10.5	5.0	130.0	20.9	112.0	6.0	43.0	333.6
14	0.7	1.5	0.8	13.0	3.1	11.0	3.0	3.5	36.6
15	4.7	5.9	1.9	84.0	14.0	66.0	3.0	19.0	198.5
Province	85.0	140.0	50.0	1,515.0	235.0	1,350.0	265.0	610.0	4,250.0

1981

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total	1981 as % 1980
					- thousands -					
1	5.6	1.5	0.5	81.0	16.8	75.0	13.0	47.0	240.4	106.5
2	8.0	14.7	3.6	145.0	19.9	130.0	44.0	88.0	453.2	110.8
3	5.7	4.3	2.9	97.0	15.3	86.0	14.0	57.0	282.2	99.8
4	5.7	1.7	0.2	109.0	18.4	95.0	11.0	14.0	255.0	100.0
5	5.6	4.0	1.4	80.0	14.3	70.0	15.0	89.0	279.3	104.8
6	7.7	12.6	4.0	137.0	19.0	121.0	42.0	65.0	408.3	96.7
7	9.0	6.7	0.9	148.0	17.6	140.0	49.0	42.0	413.2	95.6
8	8.7	19.8	7.7	149.0	41.0	134.0	28.0	78.0	466.2	100.3
9	-	-	-	1.0	-	-	-	1.0	2.0	80.0
10	7.9	14.9	3.6	146.0	10.5	125.0	22.0	40.0	369.9	95.6
11	5.7	32.0	11.9	98.0	14.2	112.0	18.0	38.0	329.8	96.7
12	3.7	6.8	2.5	80.0	7.5	63.0	9.0	20.0	192.5	100.0
13	6.2	11.8	6.4	117.0	16.9	106.0	5.0	38.0	307.3	92.1
14	0.7	1.1	0.7	11.0	3.1	10.0	3.0	4.0	33.6	91.8
15	4.8	5.1	1.7	86.0	15.5	68.0	2.0	14.0	197.1	99.3
Province	85.0	137.0	48.0	1,485.0	230.0	1,335.0	275.0	635.0	4,230.0	99.5

Table 39
SLAUGHTER CATTLE AND CALF MARKETINGS

Marketed at Stockyards and Shipped Directly to Packing Plants

C.D.	Steers				Heifers				Cows	Bulls
	A1,2 1000+	A1,2 -1000	A3,4	B & C	A1,2 850+	A1,2 -850	A3,4	B & C		
	- number -									
1	18,637	836	1,367	793	5,472	2,335	764	1,717	7,942	399
2	204,183	11,011	19,394	6,115	114,752	30,817	16,506	8,677	33,804	1,623
3	36,427	2,556	3,325	1,109	25,509	7,817	3,664	1,997	10,117	389
4	2,006	175	115	252	2,387	613	174	444	4,617	428
5	62,129	9,000	4,609	1,816	27,138	7,128	3,428	1,327	4,327	536
6	61,706	10,281	4,431	2,743	41,976	12,413	4,572	3,428	22,177	2,722
7	34,306	2,337	3,831	1,405	24,384	4,602	3,982	1,918	13,219	870
8	64,322	6,080	6,413	2,487	44,337	10,246	6,508	3,112	17,814	1,095
9	1	-	5	6	-	-	4	-	21	-
10	22,511	1,862	2,319	1,315	13,235	2,118	1,864	1,451	14,502	1,400
11	20,947	1,385	2,276	1,342	11,721	1,933	1,799	1,766	28,696	1,565
12	4,948	347	565	258	1,919	483	305	410	5,065	450
13	7,998	385	854	590	4,166	550	736	842	13,803	892
14	1,124	127	116	38	425	53	87	19	1,224	129
15	1,861	144	181	303	895	606	188	382	3,554	540
1981	543,106	46,526	49,801	20,572	318,316	81,714	44,581	27,490	180,882	13,038
1980	524,852	45,760	55,853	20,138	304,226	57,469	45,116	25,606	174,745	13,481
1979	563,365	49,023	65,735	20,872	279,024	56,068	47,587	28,082	153,576	12,045

C.D.	Total Slaughter Cattle	Calves				Total Slaughter Claves	Delivered to		Total
		White Veal	Good Veal	Good Butcher	Common all wts.		Yards	Plants	
					- number -				
1	40,262	-	-	-	42	42	193	40,111	40,304
2	446,882	-	2	78	276	356	1,003	446,235	447,238
3	92,910	17	21	60	875	973	1,870	92,013	93,883
4	11,211	-	-	3	10	13	1,263	9,961	11,224
5	121,438	-	-	-	33	33	12,133	109,338	121,471
6	166,449	-	-	37	284	321	33,178	133,592	166,770
7	90,854	3	67	92	165	327	6,413	84,768	91,181
8	162,414	5	15	112	637	769	8,391	154,792	163,183
9	37	-	-	-	-	-	37	-	37
10	62,577	1	38	92	464	595	10,349	52,823	63,172
11	73,430	6	84	202	629	921	15,594	58,757	74,351
12	14,750	2	15	15	110	142	5,502	9,390	14,892
13	30,816	10	106	228	634	978	8,206	23,588	31,794
14	3,342	-	-	-	29	29	1,416	1,955	3,371
15	8,654	1	38	38	301	378	1,606	7,426	9,032
1981	1,326,026	45	386	957	4,489	5,877	107,154	1,224,749	1,331,903
1980	1,267,246	59	170	565	2,263	3,057	125,676	1,144,627	1,270,303
1979	1,275,377	3	152	958	2,832	3,945	144,981	1,134,341	1,279,322

Table 40
AVERAGE MONTHLY CATTLE PRICES, EDMONTON

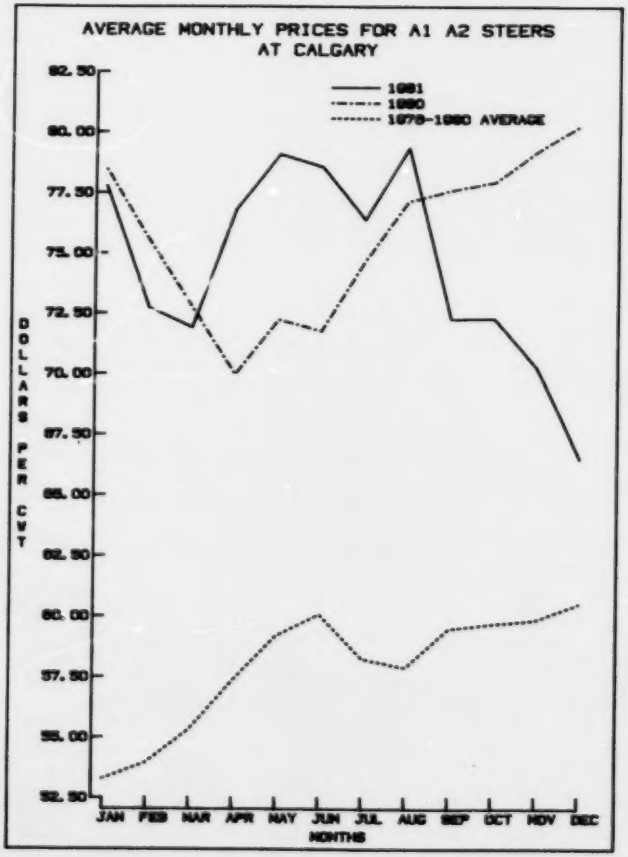
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1980												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	78.73	75.44	71.67	68.42	69.89	68.91	73.22	75.45	76.15	76.03	78.38	78.83	74.54
A1,2 -1000 lbs . .	79.00	-	-	-	69.21	68.28	72.49	75.38	75.64	74.82	76.37	77.59	73.41
A3,4	74.75	72.09	68.27	66.40	66.56	65.91	71.13	72.24	70.93	70.44	72.40	73.71	68.92
B & C.	69.57	68.71	66.00	64.21	59.54	60.93	68.98	70.29	65.32	60.90	60.40	66.14	64.76
Heifers													
A1,2 850 lbs+. . .	75.46	73.43	68.25	67.49	66.10	65.03	67.85	70.16	72.07	73.21	73.93	74.63	70.49
A1,2 -850 lbs. . .	76.00	73.00	-	-	65.46	65.04	67.49	69.95	70.86	72.90	73.84	75.84	70.16
A3,4	72.36	69.44	65.16	65.49	63.11	63.26	66.41	68.94	67.62	68.00	70.04	70.00	66.26
B & C.	63.71	65.40	62.63	60.97	59.04	58.58	62.85	65.18	63.76	56.69	55.75	57.14	61.48
Cows													
D1.2	53.86	54.45	52.08	51.22	47.39	46.98	47.72	53.55	52.59	52.73	49.22	48.69	51.27
D3,5	51.80	51.77	50.78	50.04	45.88	44.68	45.95	52.09	49.04	47.68	45.00	44.12	47.91
D4	49.75	48.42	47.20	46.10	42.04	40.66	43.14	46.28	45.77	46.55	46.65	43.15	44.77
Bulls	64.48	65.86	61.36	58.35	57.74	57.34	58.77	62.33	61.87	60.43	57.80	55.27	59.84
Feeders													
Good Steers													
800 lbs+	86.00	85.35	80.65	72.99	71.33	69.54	75.02	77.75	77.63	77.88	79.58	80.49	77.59
700-800 lbs. . . .	91.43	92.63	81.75	75.47	72.76	70.52	76.52	79.93	79.73	79.23	81.66	81.46	79.10
600-700 lbs. . . .	96.10	97.82	84.36	78.77	76.60	74.16	79.83	82.90	82.09	81.28	83.05	83.65	82.89
Com to med Steers . 600 lbs+	71.59	71.57	67.09	61.78	62.58	65.50	60.08	68.91	65.26	66.08	67.43	66.12	66.83
Good Heifers													
700 lbs+	78.76	77.78	72.52	67.27	65.07	63.55	69.32	71.96	73.27	73.22	72.99	73.96	71.74
600-700 lbs. . . .	84.34	84.55	75.05	69.48	66.19	64.83	70.49	73.81	73.54	74.11	74.47	74.56	72.93
500-600 lbs. . . .	89.58	87.81	78.43	72.66	68.52	66.50	72.41	73.97	73.82	75.22	76.27	76.12	75.89
Com to med Heifers 500 lbs+	62.30	65.49	60.28	56.98	57.73	57.87	55.53	61.63	60.40	62.38	60.82	59.70	61.09
Cows	60.61	58.68	55.29	53.15	51.55	54.26	49.55	55.49	57.59	54.50	57.31	51.84	54.99

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1981								
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	77.77	74.34	71.85	74.80	76.49	75.89	75.40	73.36	71.47	68.89	67.53	67.46	72.99
A1,2 -1000 lbs . .	77.58	75.00	71.07	75.98	75.40	74.58	74.67	72.18	70.79	67.18	65.48	62.33	72.61
A3,4	73.17	72.00	-	72.50	73.03	71.67	72.00	69.09	67.33	65.07	64.27	57.96	65.77
B & C.	58.61	58.00	63.52	59.83	64.50	64.33	62.43	61.29	62.32	63.26	61.14	57.35	61.30
Heifers													
A1,2 850 lbs+. . .	74.10	72.20	69.22	73.10	73.36	71.80	69.46	66.37	66.16	65.90	65.24	64.02	69.24
A1,2 -850 lbs. . .	73.74	72.22	67.12	73.60	72.84	71.07	68.85	67.01	64.63	63.55	63.61	60.71	68.21
A3,4	68.87	67.00	-	69.83	69.56	69.00	65.90	62.33	63.21	61.11	59.82	58.04	62.86
B & C.	53.17	52.00	54.85	55.39	59.63	64.81	60.63	55.90	59.03	59.12	57.54	56.19	56.90
Cows													
D1,2	48.11	49.35	50.04	52.82	51.74	50.55	51.69	51.69	49.94	42.42	38.94	38.41	46.59
D3,5	43.00	45.77	46.64	48.78	47.57	46.04	48.74	48.39	45.79	37.42	35.75	35.57	42.41
D4	41.49	42.38	42.13	43.23	43.55	44.10	46.09	46.22	43.08	37.94	33.56	35.05	40.84
Bulls	56.15	56.49	57.21	57.89	57.55	58.83	57.94	59.50	57.93	51.81	45.61	46.85	54.83
Feeders													
Good Steers													
800 lbs+	80.39	77.00	76.10	76.68	74.53	74.99	75.78	73.70	72.36	70.60	67.59	68.58	73.20
700-800 lbs. . . .	82.02	78.90	78.17	77.83	76.67	76.10	77.31	75.55	72.03	71.28	67.29	69.62	74.66
600-700 lbs. . . .	83.47	80.58	80.25	79.83	78.67	78.35	80.22	77.35	71.53	70.77	68.04	69.61	76.41
Com to med Steers 600 lbs+	68.62	64.45	64.07	65.18	67.19	67.62	65.52	59.69	56.54	54.64	51.34	51.96	60.73
Good Heifers													
700 lbs+	74.45	69.81	70.51	72.02	70.29	67.86	68.46	66.52	66.80	64.22	59.85	60.16	66.62
600-700 lbs. . . .	74.59	71.19	72.34	72.95	71.02	70.43	71.37	67.76	66.03	64.21	59.71	60.41	68.39
500-600 lbs. . . .	75.18	72.40	73.13	73.70	71.16	70.44	72.45	68.98	66.23	63.15	60.11	61.08	68.84
Com to med Heifers 500 lbs+	59.68	57.78	57.31	56.22	58.27	60.99	59.93	59.55	56.96	52.97	50.52	48.40	55.80
Cows	51.07	50.76	49.22	52.90	53.01	55.68	56.07	56.43	51.64	44.95	43.76	37.85	49.20

Table 41
AVERAGE MONTHLY CATTLE PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
				- dollars per 100 pounds -									
						1980							
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	78.45	75.52	72.74	69.98	72.24	71.77	74.65	77.13	77.61	77.96	79.24	80.31	74.59
A1,2 -1000 lbs . .	77.75	75.50	-	73.25	71.80	70.83	73.40	75.99	75.79	77.53	76.39	79.43	73.78
A3,4	75.77	73.40	69.31	66.42	68.22	67.39	72.41	74.36	74.96	76.15	76.86	77.06	72.04
B & C.	75.45	72.55	68.91	66.47	67.87	66.73	70.66	72.72	72.23	73.94	73.88	73.95	70.61
Heifers													
A1,2 850 lbs+. . .	75.83	73.39	69.26	68.13	69.73	68.00	71.31	73.23	74.19	76.95	78.48	78.48	72.65
A1,2 -850 lbs. . .	-	74.00	70.00	70.00	70.83	66.33	70.33	72.00	72.92	76.68	78.60	77.86	70.75
A3,4	73.60	71.14	66.22	65.68	66.94	65.78	67.60	70.74	72.06	74.93	76.32	75.10	69.41
B & C.	73.34	71.35	64.18	64.81	66.97	65.29	65.83	68.15	69.53	72.84	73.31	72.90	68.99
Cows													
D1,2	56.62	55.57	52.84	52.84	49.45	47.17	48.97	55.03	53.43	52.37	49.36	49.81	51.77
D3,5	52.70	53.46	50.00	50.08	47.04	45.04	46.50	51.61	51.12	49.76	45.39	45.60	48.59
D4	47.30	49.46	47.59	46.72	42.72	41.71	43.86	47.12	48.58	47.92	45.00	44.51	46.25
Bulls	68.47	68.23	66.51	63.79	58.92	58.09	58.91	62.16	62.04	62.36	59.77	56.97	62.09
Feeders													
Good Steers													
800 lbs+	86.78	84.47	76.82	76.19	72.56	73.97	74.68	78.08	80.43	81.80	82.39	81.50	78.79
700-800 lbs. . . .	93.94	90.59	81.35	79.54	75.51	76.55	81.02	82.51	82.02	83.84	84.30	82.47	82.01
600-700 lbs. . . .	98.86	100.54	88.11	81.31	76.30	79.19	85.43	85.70	83.27	90.84	88.44	86.94	87.38
Com to med Steers . 600 lbs+	85.04	79.95	75.49	71.84	66.75	68.85	71.75	73.07	73.43	75.79	76.07	75.09	74.43
Good Heifers													
700 lbs+	81.06	81.65	74.74	73.50	68.02	68.26	71.03	75.73	73.42	76.43	77.15	75.59	74.59
600-700 lbs. . . .	84.49	85.19	77.71	73.87	69.88	68.92	73.63	75.50	74.57	80.40	77.72	78.06	75.86
500-600 lbs. . . .	88.49	87.79	80.62	75.46	72.05	70.01	75.08	79.94	75.32	83.19	81.38	78.65	79.49
Com to med Heifers 500 lbs+	72.69	73.83	69.53	68.26	63.68	65.99	67.18	68.48	68.89	72.07	72.03	69.01	69.14
Cows	60.64	63.01	59.37	56.20	52.96	51.23	53.29	56.58	53.73	57.35	58.39	59.30	57.42

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1981								
Slaughter Cattle													
Steers													
A1,2 1000 lbs+. .	77.76	72.71	71.91	76.81	79.09	78.55	76.38	75.36	72.28	72.30	70.25	66.51	73.93
A1,2 -1000 lbs. .	76.56	69.12	70.77	75.97	78.43	76.68	74.02	73.49	71.16	69.67	68.87	64.14	73.76
A3,4	75.77	69.01	67.92	74.09	74.92	74.54	69.94	70.56	69.08	67.60	67.35	64.31	70.70
B & C	72.85	67.71	67.50	70.96	72.13	71.44	67.61	68.04	65.01	64.56	63.69	63.05	67.75
Heifers													
A1,2 850 lbs+ . .	75.44	70.05	69.29	73.85	74.96	75.07	69.05	69.46	68.92	70.34	68.04	63.77	70.97
A1,2 -850 lbs . .	74.38	66.00	67.25	74.63	74.90	72.99	65.05	66.26	67.38	68.36	67.93	65.74	69.99
A3,4	73.99	67.51	66.29	72.65	73.53	70.72	65.48	65.28	65.45	65.31	64.03	63.18	67.84
B & C	71.27	67.99	65.16	68.64	70.95	69.94	65.91	63.03	60.84	60.80	60.92	59.62	66.35
Cows													
D1,2	49.18	49.80	51.30	54.57	53.39	52.82	53.55	53.07	50.98	44.17	40.38	40.45	48.52
D3,5	46.45	45.91	47.44	51.69	50.42	48.23	50.89	49.08	47.12	39.47	36.33	37.03	45.01
D4	44.86	44.52	45.95	51.67	48.60	45.50	44.95	46.91	44.29	41.15	37.89	36.35	44.29
Bulls.	58.05	59.07	57.30	59.20	59.53	59.95	58.37	59.08	58.76	53.63	50.80	49.39	56.76
Feeders													
Good Steers													
800 lbs+	78.94	76.93	77.42	79.12	76.48	75.45	76.99	76.03	73.58	72.74	70.93	72.03	74.45
700-800 lbs . . .	82.39	80.54	78.58	80.17	77.10	75.70	78.98	78.60	73.36	73.13	72.72	72.84	76.58
600-700 lbs . . .	83.69	83.68	84.11	82.43	79.72	78.11	81.41	78.64	74.11	73.78	74.09	74.67	79.80
Com to med Steers. 600 lbs+	73.75	71.08	72.99	72.66	73.54	72.70	65.07	68.94	67.72	68.31	67.26	69.98	70.03
Good Heifers													
700 lbs+	73.65	71.99	72.17	74.36	74.91	71.27	70.01	69.91	68.01	68.54	65.69	65.02	70.22
600-700 lbs . . .	74.90	75.57	74.12	76.05	73.98	71.05	70.35	70.01	67.18	67.30	65.75	67.30	72.36
500-600 lbs . . .	75.82	74.42	75.41	75.48	74.62	72.29	71.36	69.63	67.57	66.40	65.49	69.03	72.20
Com to med Heifers 500 lbs+	68.98	66.28	67.98	66.62	69.40	68.61	68.15	64.66	62.59	62.42	61.26	64.07	65.50
Cows	55.44	50.90	53.91	54.86	54.28	52.24	51.86	51.43	52.20	46.16	39.49	40.89	49.15


AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AT CALGARY
1981
1980
1970-1980 AVERAGE
DOLLARS PER CWT
82.50
80.00
77.50
75.00
72.50
70.00
67.50
65.00
62.50
60.00
57.50
55.00
52.50
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

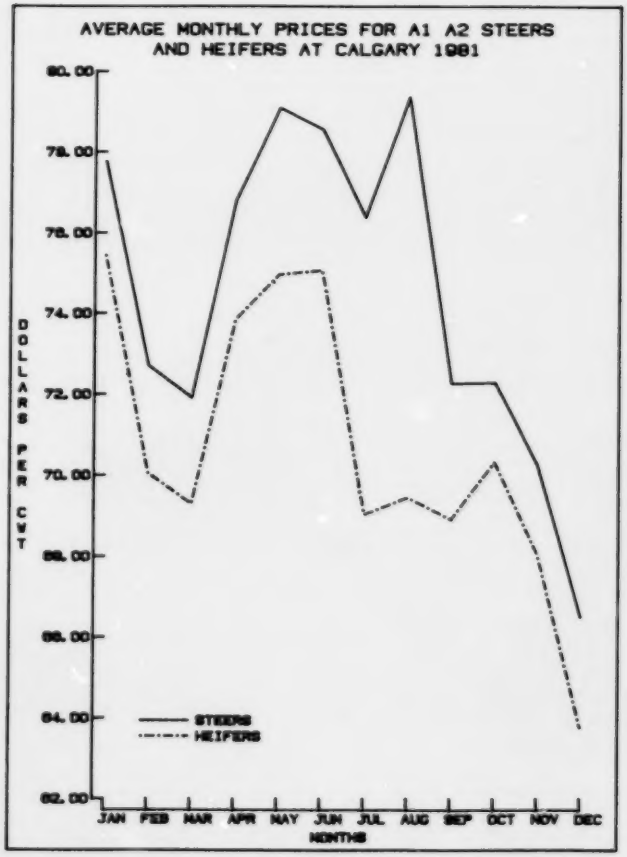

AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AND HEIFERS AT CALGARY 1981
DOLLARS PER CWT
80.00
78.00
76.00
74.00
72.00
70.00
68.00
66.00
64.00
62.00
STEERS
HEIFERS
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

Table 42
AVERAGE MONTHLY CALF PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- dollars per 100 pounds -							
						1980							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	69.64	69.50	69.50	63.25	65.00	59.70	66.40	65.75	67.80	65.67	60.33	53.89	61.93
Feeders													
Good Steer Calves													
500-600 lbs	112.32	106.11	88.72	81.57	78.72	82.91	86.23	90.78	87.59	96.03	92.84	90.91	93.69
400-500 lbs	113.65	108.78	97.33	82.06	79.31	83.23	86.61	92.47	90.68	96.91	93.96	88.02	94.01
-400 lbs	108.44	103.27	88.75	79.53	78.77	84.42	93.69	95.55	93.27	94.14	89.83	82.56	92.34
Com to med -600 lbs.	99.49	94.43	80.95	73.72	69.74	74.56	77.18	81.71	82.44	85.95	84.31	77.54	83.89
Good Heifer Calves													
400-500 lbs	97.25	89.79	80.43	77.84	72.60	72.64	81.50	80.92	83.29	85.86	83.98	81.30	83.96
300-400 lbs	97.11	94.20	78.74	75.28	73.62	71.79	85.00	89.06	84.54	86.09	84.91	76.35	84.64
-300 lbs	91.21	86.30	73.00	74.50	72.50	78.32	82.33	94.12	87.77	82.43	80.38	74.06	84.81
Com to med -500 lbs.	85.48	81.86	70.38	71.29	66.99	67.90	71.49	76.59	77.73	78.10	75.87	69.02	74.70
						1981							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	60.00	-	72.00	76.00	67.90	69.00	72.70	63.67	63.59	59.40	55.00	-	63.99
Feeders													
Good Steer Calves													
500-600 lbs	86.04	83.93	82.64	83.23	80.75	81.33	73.93	76.07	74.43	73.77	74.40	76.43	77.10
400-500 lbs	82.90	84.69	84.87	84.32	81.01	81.45	79.50	-	72.54	73.40	73.76	76.00	75.64
-400 lbs	73.00	85.25	85.25	85.58	86.45	82.39	82.00	83.44	73.63	71.24	71.55	74.25	77.52
Com to med -600 lbs.	75.17	76.40	79.75	76.78	72.90	76.80	71.19	77.41	67.93	69.23	66.96	69.34	70.12
Good Heifer Calves													
400-500 lbs	76.13	75.41	74.66	76.27	74.97	72.73	-	76.20	-	65.76	64.72	67.60	67.75
300-400 lbs	72.82	73.36	75.62	74.76	74.47	73.19	-	78.25	67.75	65.78	62.70	65.70	66.53
-300 lbs	67.50	80.50	76.67	76.00	74.13	72.58	-	77.50	67.00	67.13	-	64.00	68.99
Com to med -500 lbs.	69.46	69.49	69.27	69.90	71.25	69.29	68.32	70.78	65.36	61.21	55.85	58.13	60.80

Table 43
AVERAGE MONTHLY CALF PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1980								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	67.45	85.00	58.01	-	55.50	-	-	-	-	-	-	-	64.62
Feeders													
Good Steer Calves													
500-600 lbs	106.49	102.65	89.21	83.09	82.47	83.05	81.06	83.48	84.08	87.73	89.60	88.73	89.50
400-500 lbs	110.85	107.26	96.20	87.03	83.86	81.07	82.51	86.80	89.58	91.07	89.58	90.35	91.90
-400 lbs	115.20	109.68	99.95	95.61	84.58	87.90	91.15	94.58	93.09	92.67	90.93	92.28	94.09
Com to med -600 lbs.	78.36	87.89	78.56	69.97	70.75	69.70	67.20	70.26	70.01	71.92	73.17	71.64	74.21
Good Heifer Calves													
400-500 lbs	94.44	91.44	82.02	74.13	72.31	72.19	72.42	79.15	77.66	78.19	77.55	77.33	79.12
300-400 lbs	95.21	94.58	89.20	79.70	74.79	72.04	75.06	81.29	78.82	79.00	78.86	77.26	80.14
-300 lbs	97.97	95.00	86.69	77.00	75.94	72.30	81.51	87.56	80.04	80.76	80.52	77.82	80.90
Com to med -500 lbs.	70.46	78.45	71.45	59.54	63.90	61.99	59.72	67.46	66.34	62.16	63.14	62.53	66.34
					1981								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	-	-	-	-	74.00	-	-	-	56.83	56.64	53.55	52.63	55.07
Feeders													
Good Steer Calves													
500-600 lbs	83.93	83.23	81.59	81.75	80.92	81.14	82.24	76.38	71.39	70.23	68.75	72.97	76.55
400-500 lbs	84.91	84.08	84.16	82.98	83.10	81.56	80.22	77.09	70.67	70.52	69.90	72.54	75.13
-400 lbs	84.94	84.88	85.06	90.01	86.08	89.34	86.44	77.27	70.50	68.80	66.61	69.80	74.73
Com to med -600 lbs.	73.04	70.34	64.66	65.45	66.49	67.28	65.79	58.95	58.84	52.73	51.52	53.13	59.02
Good Heifer Calves													
400-500 lbs	74.87	73.39	70.51	73.88	73.20	71.58	72.90	68.27	63.35	62.27	60.51	61.79	66.84
300-400 lbs	75.00	73.07	72.34	75.13	74.68	74.40	83.80	68.52	62.42	59.78	60.87	60.24	65.80
-300 lbs	75.48	73.22	73.13	79.89	75.15	84.42	86.64	71.38	61.71	58.84	60.36	59.07	68.02
Com to med -500 lbs.	60.00	59.00	57.31	60.48	59.13	62.01	61.78	59.70	55.72	53.40	45.49	46.94	52.26

Table 44
HOGS ON FARMS, JULY 1

Census Division	Breeding Stock 6 Months & Over		All Other Pigs		Total Pigs		
	1980	1981	1980	1981	1980	1981	1981 as % 1980
	- thousands -						%
1	2.1	2.1	19.1	18.6	21.2	20.7	97.6
2	13.5	13.4	128.8	127.7	142.3	141.1	99.2
3	4.4	4.4	52.7	50.9	57.1	55.3	96.8
4	1.6	1.7	17.7	17.4	19.3	19.1	99.0
5	11.0	11.3	109.6	99.8	120.6	111.1	92.1
6	10.4	10.2	82.6	73.0	93.0	83.2	89.5
7	8.2	8.0	72.2	67.3	80.4	75.3	93.7
8	16.5	15.7	162.8	155.1	179.3	170.8	95.3
9	-	-	-	-	-	-	-
10	16.2	16.1	136.6	131.1	152.8	147.2	96.3
11	17.6	17.6	149.5	142.2	167.1	159.8	95.6
12	7.2	7.2	62.0	57.6	69.2	64.8	93.6
13	14.1	14.0	132.9	132.2	147.0	146.2	99.5
14	0.9	0.8	3.5	3.3	4.4	4.1	93.2
15	5.3	5.2	51.0	51.1	56.3	56.3	100.0
Province	129.0	127.7	1,181.0	1,127.3	1,310.0	1,255.0	95.8

Table 45
HOG MARKETINGS

Census Division	114 & 113	112 & 110	108	107	105	103	102	100	98 & 97	95 93 & 92	90,88 87&85
					- number -						
1	88	972	1,954	3,435	4,970	5,937	4,652	3,186	2,562	454	455
2	908	6,912	12,333	22,399	31,288	37,816	32,396	23,377	18,769	3,346	3,118
3	406	2,831	4,449	7,777	10,736	12,455	10,344	7,282	6,047	1,197	1,449
4	135	1,116	1,889	3,353	4,562	5,403	4,498	3,328	2,545	438	352
5	716	6,004	9,360	15,973	21,509	25,482	20,645	14,781	11,642	2,929	2,724
6	404	3,192	5,277	9,101	12,638	15,302	13,181	9,754	8,237	2,115	2,472
7	352	2,613	4,287	7,689	11,872	14,097	14,125	12,584	13,650	3,837	2,640
8	2,426	16,099	20,960	29,980	40,726	42,158	39,089	36,647	25,233	7,468	5,306
9	-	-	-	-	-	-	-	-	-	-	-
10	498	3,866	7,117	14,544	24,377	31,128	32,537	29,365	26,472	7,130	4,612
11	609	4,392	7,438	13,893	20,292	23,515	22,250	19,119	21,066	5,937	4,495
12	164	1,346	2,574	5,245	8,234	10,675	11,420	10,611	12,350	3,470	1,957
13	422	3,586	7,084	14,374	21,988	26,856	26,227	22,885	24,501	6,558	4,276
14	1	28	79	175	371	573	683	792	954	359	115
15	119	1,066	1,894	3,665	5,431	6,612	6,653	6,015	6,889	1,989	950
1981	7,248	54,023	86,695	151,603	218,994	258,009	238,700	199,726	180,917	47,227	34,921
1980	4,969	45,637	78,957	148,255	220,960	255,922	238,148	205,878	203,249	60,336	44,166
1979	3,928	37,539	62,278	123,268	183,027	216,311	209,078	177,778	193,957	61,428	36,727

Census Division	83, 82 & 80	Lights	Ridglings	Stags	Sows	Total Graded	Total Ungraded	Total	Export
				- number -					
1	393	171	82	36	345	29,692	1,039	30,731	-
2	2,514	1,507	641	378	3,619	201,321	259	201,580	15,042
3	1,035	263	223	112	1,308	67,914	-	67,914	-
4	386	752	117	26	412	29,312	-	29,312	308
5	2,494	1,186	710	255	2,669	139,079	-	139,079	141
6	2,493	961	190	139	1,858	87,314	-	87,314	2
7	2,797	1,339	353	164	2,277	94,676	956	95,632	-
8	4,315	2,331	1,035	339	3,645	277,757	2,025	279,782	-
9	-	-	-	-	-	-	-	-	-
10	4,669	2,877	632	349	5,576	195,749	770	196,519	-
11	3,940	3,819	737	242	4,820	156,564	1,210	157,774	4,697
12	1,701	1,188	238	102	2,148	73,423	2,444	75,867	-
13	3,626	1,617	510	101	4,441	169,052	-	169,052	377
14	95	67	1	4	135	4,432	-	4,432	-
15	1,276	1,149	112	160	1,711	45,691	68	45,759	-
1981	31,734	19,227	5,581	2,407	34,964	1,571,976	8,771	1,580,747	20,567
1980	40,682	22,376	6,602	2,819	40,434	1,619,390	9,868	1,629,258	45,542
1979	32,891	15,323	5,288	2,523	35,919	1,397,263	8,866	1,406,129	10,758

Table 46
AVERAGE MONTHLY HOG PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
1980													
Dressed: Index 100 .	53.48	54.82	51.35	43.03	44.70	47.33	53.71	63.58	69.88	71.13	68.46	69.14	57.22
Live Boars	17.21	17.79	21.11	18.62	15.73	14.81	15.48	16.42	19.85	22.77	30.64	29.23	19.97
Live Feeders 100+. .	41.50	39.82	36.88	29.93	37.62	39.28	45.18	44.93	45.77	47.44	47.01	45.46	41.74
1981													
Dressed: Index 100	62.35	63.22	59.89	59.14	59.79	70.71	77.19	75.71	78.86	75.27	68.67	66.43	67.81
Live Boars	30.89	29.04	28.91	28.67	29.66	34.07	38.17	33.08	29.00	37.10	-	-	31.86
Live Feeders 100+	47.14	52.38	54.35	57.31	54.04	58.69	58.58	58.50	63.47	64.12	62.27	67.26	58.18

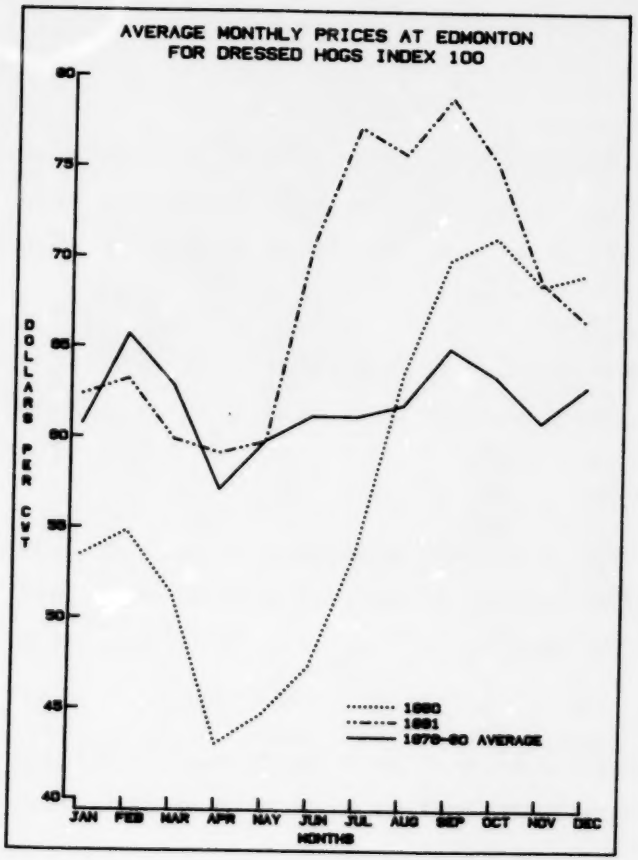


Table 47
INSPECTED HOG CARCASSES (OF ALBERTA ORIGIN)

Year	Total Number	Value Per Hog	Total Sale Value
1965	1,634,459	$ 44.44	$ 72,635,358
1966	1,350,734	52.73	71,224,204
1967	1,563,504	42.34	66,198,759
1968	1,697,164	42.61	72,316,158
1969	1,415,526	54.53	77,188,633
1970	1,620,089	48.42	78,440,135
1971	2,037,305	36.27	73,893,052
1972	1,897,609	52.62	97,764,816
1973	1,734,065	82.75	143,493,879
1974	1,667,692	74.94	125,726,239
1975	1,245,216	113.59	141,444,085
1976	1,101,531	100.68	110,904,785
1977	1,173,975	95.94	112,631,162
1978	1,222,384	116.12	141,943,230
1979	1,416,887	101.40	143,672,342
1980	1,674,800	96.41	161,467,468
1981	1,601,314	114.82	183,862,873

Table 48
AVERAGE MONTHLY SHEEP PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
1980													
Lambs													
A & B 80 lbs+ . . .	73.00	65.07	65.00	67.00	-	73.00	73.50	62.01	60.41	62.71	62.18	60.00	62.88
C 50 lbs+	55.96	56.00	55.00	-	-	45.00	-	56.50	55.48	56.91	46.00	55.53	53.95
Feeders all wts . .	65.00	66.17	-	-	30.00	58.60	69.00	66.00	68.20	64.44	60.58	65.75	64.71
Sheep													
D1,2	35.27	40.52	-	-	-	24.45	42.00	37.00	41.24	44.25	47.83	37.77	42.70
D3,4	20.00	20.00	-	-	-	11.00	33.00	23.27	24.53	25.17	19.93	14.65	22.59
1981													
Lambs													
A & B 80 lbs+ . . .	65.00	63.84	65.63	-	-	73.41	70.00	62.71	53.83	48.20	53.26	53.39	56.85
C 50 lbs+	55.00	55.91	50.00	40.00	50.00	48.00	-	55.47	51.89	40.00	56.25	40.46	50.73
Feeders all wts . .	68.00	63.74	60.92	55.00	25.00	65.12	66.00	65.47	57.26	46.53	55.66	59.26	56.97
Sheep													
D1,2	51.00	51.36	40.00	40.60	32.92	35.54	35.00	30.76	25.54	29.82	31.42	35.00	31.02
D3,4	17.00	26.00	17.00	16.67	20.00	20.73	20.00	20.44	16.41	18.73	16.32	12.38	18.01

Table 49
SHEEP AND LAMB MARKETINGS

Census Division	Lambs						Sheep		Total	Delivered to		Direct Export
	A & B 80+	A & B -80	New Crop	C 50+	C -50	Feeders	D1,2	D3,4		Yards	Plants	
						- number -						
1	714	37	-	-	1	-	-	-	752	-	752	-
2	5,337	924	80	12	57	1	84	63	6,558	1	6,557	956
3	6,457	800	-	20	75	-	129	102	7,583	-	7,583	469
4	61	4	-	-	-	-	34	3	102	-	102	-
5	774	151	-	2	100	60	17	15	1,119	134	985	-
6	3,885	646	-	5	71	-	179	175	4,961	9	4,952	-
7	213	123	-	10	3	36	64	34	483	99	384	-
8	12,744	2,015	-	451	324	245	671	428	16,878	276	16,602	-
9	17	-	-	-	-	22	-	27	66	66	-	-
10	2,530	251	-	116	79	797	342	267	4,382	1,799	2,583	-
11	5,992	1,075	20	158	109	1,158	616	398	9,526	2,847	6,679	-
12	809	52	-	43	6	1,466	124	86	2,586	2,338	248	-
13	3,899	460	-	140	50	1,685	344	201	6,779	3,316	3,463	-
14	563	45	-	28	-	554	124	56	1,370	1,370	-	-
15	1,108	107	-	12	-	1,316	193	147	2,883	2,786	97	-
1981	45,103	6,690	100	997	875	7,340	2,921	2,002	66,028	15,041	50,987	1,425
1980	36,323	2,632	622	1,556	128	5,835	1,725	1,582	50,403	15,498	34,905	10,604
1979	31,921	2,650	-	690	101	5,927	1,078	1,024	43,391	11,865	31,526	7,781

Table 50
LIVESTOCK ON FARMS, JULY 1*

Year	Milk Cows & Dairy Heifers	Beef Cows & Beef Heifers	Calves	All Cattle	Hogs	Sheep and Lambs
			- thousand head -			
1961	356.6	1,160.8	912.9	2,879.4	1,469.9	496.9
1962	349.0	1,188.0	925.0	2,899.0	1,190.0	469.0
1963	347.0	1,266.0	962.0	3,035.0	1,113.0	431.0
1964	340.0	1,419.0	1,018.0	3,320.0	1,302.0	400.0
1965	324.0	1,531.0	1,076.0	3,473.0	1,169.0	355.0
1966	294.1	1,480.5	1,079.6	3,439.7	1,092.7	301.4
1967	272.0	1,518.0	1,035.0	3,393.0	1,262.0	260.0
1968	252.0	1,479.0	1,018.0	3,341.0	1,266.0	210.0
1969	232.0	1,478.0	989.0	3,286.0	1,187.0	180.0
1970	233.0	1,600.0	1,070.0	3,493.0	1,532.0	199.0
1971	223.6	1,721.3	1,157.3	3,702.1	1,739.1	244.9
1972	210.0	1,864.0	1,225.0	3,924.0	1,490.0	256.0
1973	205.0	2,031.0	1,319.0	4,201.0	1,499.0	241.0
1974	200.0	2,219.0	1,434.0	4,595.0	1,322.0	230.0
1975	193.0	2,242.0	1,458.0	4,689.0	873.0	209.0
1976	191.7[1]	2,188.8[1]	1,375.9[1]	4,614.3[1]	879.9	189.3[1]
1977	191.0	2,115.0	1,380.0	4,471.0	940.0	160.0
1978	184.0	1,965.0	1,275.0	4,177.0	968.0	155.0
1979	190.0	1,705.0	1,290.0	4,225.0	1,175.0	185.0
1980	190.0	1,750.0	1,350.0	4,250.0	1,310.0	200.0
1981	185.0	1,715.0	1,335.0	4,230.0	1,255.0	205.0

* Prior to 1975, estimates of livestock numbers based on June 1 survey.

[1] June 1, 1976 Census.

Table 51
PER CAPITA CONSUMPTION OF MEATS IN CANADA

Year	Beef	Veal	Mutton & Lamb	Pork	Offals	Canned Meats	Poultry
			- pounds -				
1961	70.5	6.8	3.5	50.3	4.5	4.3	31.1
1962	71.1	7.1	3.8	50.1	4.3	4.2	31.0
1963	74.3	6.5	4.0	50.7	4.0	4.4	33.0
1964	79.4	7.2	3.4	51.8	3.9	4.5	35.0
1965	83.6	8.3	2.8	47.9	3.6	5.4	36.6
1966	84.0	6.9	3.9	47.0	3.6	5.5	39.3
1967	83.2	7.0	4.2	54.5	3.9	6.2	40.8
1968	85.1	6.8	4.9	53.5	3.7	6.6	39.8
1969	85.6	5.1	5.0	51.4	3.8	7.6	43.1
1970	84.4	4.6	4.6	58.8	3.4	7.9	45.1
1971	88.6	4.4	3.2	65.0	4.3	*	43.5
1972	94.3	3.7	4.6	63.1	4.2	*	44.5
1973	92.7	3.4	3.6	59.3	3.9	*	46.0
1974	96.3	3.5	2.5	62.1	3.7	*	44.7
1975	107.0	5.2	3.0	53.3	3.7	*	41.9
1976	113.2	4.9	2.1	55.3	3.8	*	44.7
1977	107.9	4.8	1.8	55.5	3.6	*	45.3[1]
1978	101.2	3.9	1.9	57.7	2.7	*	47.6[1]
1979	88.1	3.1	2.3	65.5	1.9	*	50.6[1]
1980	87.7	3.1	1.7	71.3	4.2	*	50.4[1]
1981	90.2	3.4	1.5	69.4	3.2	*	49.2[1]

* Due to changes in source data, comparable information is not available.

[1] Does not include goose and duck.

DAIRY

There were an estimated 142,000 cows on farms in Alberta at Jauuary 1, 1982. This figure compares to 138,000 at January 1, 1981. Prior to July 1, 1979 the definition of a cow was any animal being kept for milk purposes over 24 months of age. This has been changed to all animals which have calved at least once. Since the average age of first calving in Canada is approximately 29.5 months, this change has resulted in a significant increase in heifer numbers. Heifer numbers January 1, 1981 were 42,000 and at January 1, 1982 the heifer number was 44,000.

Milk production during 1981-82 amounted to 702.6 million kilograms, an increase of 14.4 per cent from the previous year. The estimated farm value of milk production was 258.0 million dollars.

Creamery butter production totalled 8.3 million kilograms and cheddar cheese 3.6 million kilograms. Fluid milk sales increased to 235.4 million litres from 228.5 million litres.

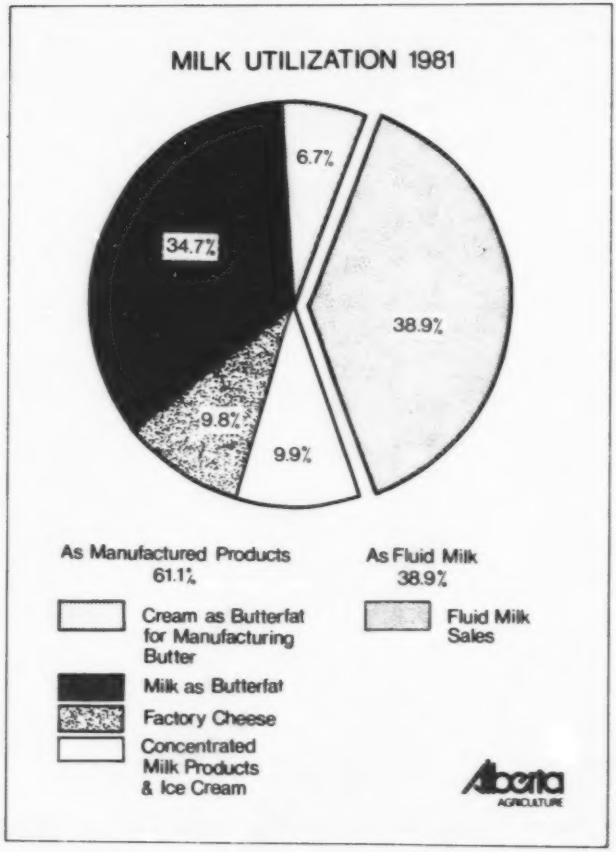


Table 52
DAIRY PRODUCER REGISTRATIONS

	Type of Producer			
	Fluid	Industrial	Cream	Total
1981[1]	1,323	382	2,599	4,304
1982[2]	1,433	341	2,406	4,180

[1] Estimates at April 30, 1981
[2] Estimates at April 30, 1982

Table 53
FARM VALUE OF MILK PRODUCTION

	Year*	Production	Milk Equivalent	Total Milk	Price	Value
		'000 kg	'000 kg	%	$	$'000
Butterfat for Creamery Butter	1980	2 024	57 829	9.4	3.442/kg	6,926
	1981	1 700	47 222	6.7	3.547/kg	6,030
Milk Purchased for the Manufacture of Powder and Butter 1/	1980	5 621	161 577	26.3	27.69/100 kg	44,741
	1981	8 917	243 461	34.7	30.67/100 kg	74,669
Milk for Cheesemaking	1980		71 247	11.6	27.69/100 kg	19,728
	1981		69 144	9.8	30.67/100 kg	21,206
Milk for Concentrating and Milk and Butterfat for Ice Cream and Miscellaneous Products 2/	1980		67 092	10.9	27.69/100 kg	18,578
	1981		69 534	9.9	30.67/100 kg	21,326
Milk Purchased for Fluid Purposes	1980		256 212	41.8	37.58/100 kg	96,284
	1981		273 293	38.9	40.93/100 kg	111,859
Kept on Farms, Skimmilk for Creamery Butter	1980	52 046			12.60/100 kg	6,558
	1981	42 500			13.87/100 kg	5,895
Estimated Federal Subsidy	1980					18,737
	1981					17,052
Total	1980		613 957			211,552
	1981		702,654			258,037

* April - March 1980-81 and 1981-82.
1 Includes milk used for the making of cottage cheese.
2 Does not include butterfat from creamery butter used in the manufacture of ice cream.

Table 54
PRODUCTION AND VALUE OF FACTORY DAIRY PRODUCTS

	Year*	Quantity	Price	Value
		'000	$	$'000
Creamery Butter (kilograms)	1980	7 863	3.560/kg	27,992
	1981	8 260	4.290/kg	35,435
Cheddar Cheese (kilograms)	1980	3 921	3.860/kg	15,135
	1981	3 599	5.104/kg	18,369
Cheese other than Cheddar (kilograms)	1980	3 159	3.860/kg	12,194
	1981	3 321	4.385/kg	14,563
Ice Cream[1] (litres)	1980	31 906	0.990/litre	31,587
	1981	27 873	1.240/litre	34,563
Fluid Milk Sales (litres)	1980	228 536	0.665/litre	151.976
	1981	235 434	0.710/litre	167.158
Fluid Cream Sales (litres)	1980	8 297	1.311/litre	10,869
	1981	8 968	1.400/litre	12,555
Fluid Skimmilk, Buttermilk and Chocolate Drink Sales (litres)	1980	26 183	0.730/litre	19,113
	1981	26 529	0.770/litre	20,427
Skimmilk and Buttermilk in Factories (kilograms)	1980	5 957	2.170/kg	12,927
	1981	7 432	2.370/kg	17,614
Whey in Factories (kilograms)	1980	63 995	nil	nil
	1981	61 619	nil	nil
Miscellaneous Manufactured Products[2]	1980			40,531
	1981			59,180
Total	1980			322,324
	1981			379,864

* April - March 1980-81 and 1981-82
1 Includes hard and soft ice cream.
2 Includes concentrated milk products, cottage cheese, whey cheese and yoghurt.

POULTRY AND EGGS

Poultry production in Canada continued its upward trend in 1981 and substantially exceeded the quota set for the year by the Canadian Chick Marketing Agency. In Alberta, total poultry meat production increased by almost 4% over 1980 levels to 115,511,000 pounds. This increase was due to a 6,660,000 pound rise in fowl and chicken output. In contrast, total turkey meat production declined by 2,381,000 pounds. Producer consumption during the year accounted for approximately 2% of total production, unchanged from previous year levels. This made 113,233,000 pounds available to consumers--up 4,229,000 pounds from 1980.

Average monthly layer numbers in the province decreased by about 2% while egg production was unchanged from 1980, thereby resulting in a 2% increase in layer productivity. Producer consumption remained constant from 1980 at 6% of total egg production. Prices received by producers for Grade A large and medium eggs rose during the first three quarters of the year but declined slightly in the last quarter. With Grade A small eggs, prices dropped sharply after a moderate increase in the first quarter.

From 1978 there was only one licensed breeder hatchery in the province but its hatching operations ceased in 1981, leaving the province without a single breeder hatchery. However, the number of commercial hatcheries increased by one during the year to 16 while total hatchery capacity increased 8% over 1980 to 6,250,004. Average hatchery capacity increased only slightly (1%) from 1980.

The 1981 production of both egg-type and broiler-type chicks in the province increased indentically (11%) to 4,540,022 and 35,041,351 respectively, over previous year levels. Of this production 93% remained in the province and approximately 5% exported, both representing marginal increases from 1980 levels.

Table 55
EGG PRICES TO PRODUCERS

	Grade AL	Grade AM	Grade AS	Grade B	Grade C
	- cents per dozen -				
	1980				
January	83	75	56	55	21
February	86	78	59	55	21
March	86	78	59	55	21
April	85	77	58	55	21
May	86	78	59	55	23
June	85	73	58	55	23
July	85	73	58	55	23
August	87	75	60	55	23
September	88	78	61	55	23
October	90	80	63	55	23
November	93	83	66	55	23
December	93	85	66	55	23
	1981				
January	96	88	66	55	27
February	99	91	69	55	32
March	99	91	69	55	32
April	99	91	69	55	32
May	100	92	63	55	32
June	100	92	63	55	32
July	100	92	63	55	32
August	102	94	62	55	32
September	103	95	58	55	32
October	101	93	56	55	32
November	101	93	53	55	32
December	99	91	51	55	32

Table 56
HATCHERY CAPACITIES

	Breeder Hatcheries	Commercial Hatcheries	Total Hatchery Capacity
		- number -	
1976	2	19	5,939,244
1977	2	19	5,236,832
1978	1	17	5,192,680
1979	1	17	5,257,784
1980	1	15	5,781,812
1981	0	16	6,250,004

Table 57
CHICK PRODUCTION

For Egg Production Type			For Broiler Production Type		
1980	1981	Change	1980	1981	Change
- number -		%	- number -		%
4,083,556	4,540,022	+11.1	31,490,470	35,041,351	+11.1

Table 58
CHICK DISPOSITION

	Hatch-ability	Hatched[1]	Not Sold[2]	Exported	Imported	Remaining In Province	Other[3]
				- number -			
1976	73.0	25,552,648	1,783,263	370,734	348,990	24,592,178	844,537
1977	74.7	28,335,357	1,913,414	734,950	332,490	26,694,501	675,018
1978	73.9	31,776,741	1,710,104	573,260	424,877	30,662,191	743,937
1979	74.4	36,178,404	1,748,817	800,055	560,597	35,045,154	855,025
1980	73.5	35,574,026	1,886,604	1,543,142	481,195	33,353,517	728,042
1981	75.8	39,581,372	2,102,561	1,839,112	446,036	36,883,584	797,849

[1] Includes both Leghorn and broiler chicks.
[2] The high number of chicks not sold is a result of Leghorn cockerels that are destroyed.
[3] Birds brought in from other provinces (not included in "Imports"). Includes started pullets

Table 59
POULT PRODUCTION

	Eggs Set	Eggs Imported	Hatched	Hatch-ability	Imported	Exported	Poults On Farms	Other*
		- number -		%		- number -		
1976	2,406,305	385,993	1,474,549	61.3	11,214	151,399	1,564,279	229,915
1977	2,333,054	492,094	1,520,122	65.2	7,090	265,415	1,490,254	228,457
1978	2,155,632	183,966	1,340,352	62.2	12,695	199,933	1,393,626	240,512
1979	2,939,327	393,642	1,871,335	63.7	10,682	405,129	1,804,081	327,193
1980	2,934,130	550,310	1,835,304	62.6	-	272,510	1,783,741	220,947
1981	2,244,185	614,151	1,444,563	64.4	-	223,230	1,514,267	292,934

* Poults brought in from other provinces (not included in "Imports").

Table 60
POULTRY EVISCERATED IN REGISTERED STATIONS

	Chickens		Fowl	Ducks	Geese	Turkeys			
	Under 4 lbs.	Over 4 lbs.				Under 10 lbs.	10-16 lbs.	Over 16 lbs.	Total
				- thousand pounds -					
1976	45,495	1,316	2,525	2	66	4,194	4,882	7,170	16,246
1977	49,009	1,596	1,862	1	27	4,047	6,078	8,271	18,396
1978	57,922	1,986	1,055	2	6	3,756	5,466	7,815	17,037
1979	64,955	3,573	3,543	2	30	3,996	7,423	7,967	19,387
1980	64,272	2,982	3,979	4	20	4,736	6,869	9,137	20,742
1981	70,936	3,740	4,099	5	13	4,617	6,065	7,914	18,596

Table 61
PRODUCTION, DISTRIBUTION AND VALUE OF EGGS

1980

	Production		Disposition			
	Average Number of Layers	Production[1]	Sold for Market[2]	Value	Used by Producers	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000
January	2,528	4,028	3,517	2,683	211	149
February	2,554	3,612	3,064	2,341	208	153
March	2,554	3,925	3,251	2,542	235	176
April	2,569	3,738	3,077	2,394	230	172
May	2,544	3,901	3,334	2,587	242	176
June	2,502	3,920	3,364	2,536	243	170
July	2,529	4,139	3,602	2,756	249	176
August	2,536	3,874	3,349	2,555	237	168
September	2,506	3,884	3,345	2,666	224	153
October	2,482	3,837	3,316	2,729	216	147
November	2,464	3,793	3,297	2,763	212	152
December	2,479	3,942	3,375	2,902	247	189
Year	2,521[3]	46,593	39,891	31,454	2,754	1,981

[1] Hatching eggs included.
[2] Hatching eggs not included.
[3] Weighted average of monthly estimates.

1981

	Production		Disposition			
	Average Number of Layers	Production[1]	Sold for Market[2]	Value	Used by Producers	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000
January	2,494	4,049	3,466	3,092	251	200
February	2,526	3,745	3,166	2,859	235	186
March	2,552	4,102	3,386	3,044	239	195
April	2,533	3,916	3,230	2,888	228	188
May	2,512	3,988	3,382	3,111	237	188
June	2,499	3,832	3,244	2,975	218	172
July	2,473	4,060	3,496	3,122	231	183
August	2,455	3,879	3,336	3,049	223	191
September	2,451	3,871	3,344	3,026	226	184
October	2,427	3,640	3,084	2,803	235	188
November	2,382	3,565	3,044	2,746	219	187
December	2,390	3,922	3,342	2,984	257	234
Year	2,474[3]	46,569	39,520	35,699	2,799	2,296

[1] Hatching eggs included.
[2] Hatching eggs not included.
[3] Weighted average of monthly estimates.

Table 62
OUTPUT AND VALUE OF POULTRY MEATS

	Total Production		Consumed by Producers		Sold	
	Pounds '000	Value $'000	Pounds '000	Value $'000	Pounds '000	Value $'000
			1980			
Fowl & Chicken	89,332	50,761	1,796	746	87,536	50,015
Turkey	21,900	14,914	432	294	21,468	14,620
Total	111,232	65,675	2,228	1,040	109,004	64,635
			1981			
Fowl & Chicken	95,992	63,852	1,896	805	94,096	63,047
Turkey	19,519	15,556	382	304	19,137	15,252
Total	115,511	79,408	2,278	1,109	113,233	78,299

APICULTURE

In 1981, the number of beehives in Alberta reached a new record of 170,000 despite a slight decrease in the number of beekeepers. With less than 10 per cent of Canada's apiarists, Alberta produced 10 478 tonnes of honey which is over 30 per cent of the nation's total. Yields, at 63 kilograms per hive, were below average but due to the increase in colonies, total production was a new record.

Within the province, yields ranged from well below average to much above average. Dry and very warm conditions throughout most of the Peace River and northern regions shortened the flowering period for most crops and wild flowers. In addition, many clover crops normally used for bee pasture suffered extensive winterkill and were ploughed under. In southern and central areas, weather conditions were more favourable and honey yields were exceptionally high. The value of the 1981 honey crop in Alberta is estimated at nearly $15 million dollars.

Table 63
BEEKEEPERS AND COLONIES

	Beekeepers	Colonies	Hives Per Apiary
		- number -	
1971	1,200	115,000	96
1972	1,200	130,000	108
1973	1,300	145,000	112
1974	1,800	156,000	87
1975	2,000	158,000	79
1976	2,000	160,000	80
1977	1,800	165,000	92
1978	1,800	160,000	89
1979	1,700	150,000	88
1980	1,800	160,000	89
1981	1,700	170,000	100

Table 64
HONEY PRODUCTION AND PRICE

	Yield Per Hive	Total Production	Price
	kg	tonnes	$/kg
1971	89	10 224	0.42
1972	70	9 140	0.66
1973	68	9 800	0.99
1974	52	8 137	0.90
1975	40	6 307	0.88
1976	58	9 290	0.82
1977	59	9 730	0.95
1978	57	9 072	1.12
1979	68	10 251	1.26
1980	64	10 306	1.28
1981	62	10 478	1.42

Table 65
HONEY AND BEESWAX VALUE

	Honey	Honey and Wax
	- dollars -	
1971	4,283,000	4,493,000
1972	6,045,000	6,244,000
1973	9,722,000	9,997,000
1974	7,355,000	7,654,000
1975	5,562,000	5,765,000
1976	7,578,000	7,841,000
1977	9,224,000	9,712,000
1978	10,200,000	10,641,000
1979	12,882,000	13,368,000
1980	13,166,000	14,579,000
1981	14,934,000	15,339,000

FUR FARMS

Table 66
FUR FARM LICENSES

	1979-80	1980-81
	- number -	
Mink Std. & Mut	13	11
Fox	8	8
Mink & Fox	1	1
Chinchilla	8	9
Other	2	2
Total	32	31

Table 67
ANIMALS RETAINED FOR BREEDING

	No. of Animals		Total Value	
	1979-80	1980-81	1979-80	1980-81
			- dollars -	
Mink Std. & Mut.	6,221	21,042	300,848	736,470
Chinchilla	1,965	1,534	49,125	38,350
Fox	757	455	189,250	136,500
Total	8,943	23,031	539,223	911,320

Table 68
ANIMALS PELTED

	Mink Pelts Produced	Mink Pelts Value
		- dollars -
1974-75	95,099	1,428,610
1975-76	67,608	1,442,380
1976-77	53,147	1,367,751
1977-78	51,395	1,429,322
1978-79	51,219	2,286,928
1979-80	49,389	2,388,452
1980-81	33,270	1,164,450

Table 69
ANIMALS EXPORTED

	No. of Animals		Total Value	
	1979-80	1980-81	1979-80	1980-81
			- dollars -	
Mink Std. & Mut.	49,389	33,270	2,388,452	1,164,450
Chinchilla	121	187	3,025	4,675
Fox	176	465	44,000	139,500
Total	49,686	33,922	2,435,477	1,308,625

CENSUS AND COMPARATIVE DATA

Table 70
CENSUS DATA

		1961	1971	1976*	1981*
Total Population	no.	1,331,944	1,627,874	1,838,037	2,237,724
Farm Population	no.	287,814	237,924	219,302	n.a.
Per Cent on Farms	%	21.6	14.6	11.9	n.a.
Number of Farms	no.	73,212	62,702	61,130	58,056
Average Size of Farm	ac.	645	790	817	813
Average Value of Agricultural Products Sold per Farm	$	n.a.	13,273	n.a.	56,236
Farm Classification:					
Under 3 Arces	%	0.3	0.3	0.3	0.5
3 - 9 Acres	%	0.9	1.1	0.9	1.0
10 - 69 Acres	%	2.5	4.0	5.8	5.8
70 - 239 Acres	%	21.1	16.9	18.9	21.4
240 - 399 Acres	%	26.5	20.1	17.8	16.2
400 - 559 Acres	%	16.1	14.6	13.0	11.8
560 - 759 Acres	%	11.5	13.1	11.9	11.0
760 - 1,119 Acres	%	10.2	13.5	13.4	13.1
1,120 - 1,599 Acres	%	5.4	7.7	8.2	8.6
1,600 - 2,239 Acres	%	2.5	4.0	4.3	4.9
2,240 - 2,879 Acres	%	1.0	1.7	2.0	2.1
2,880 Acres and Over	%	2.0	3.0	3.5	3.6
Farm Operated by:					
Owner	%	59.1	59.3	60.4	58.3
Tenant	%	9.2	6.7	6.3	6.3
Owner-Tenant	%	31.1	34.0	33.3	35.5
Manager	%	0.6	1/	1/	1/

		1961	1971	1976*	1981*
Age of Farm Operators:					
Under 25 Years	%	3.2	2.5	3.6	3.5
25 - 34 Years	%	16.2	14.2	16.3	17.9
35 - 44 Years	%	25.5	24.1	24.0	23.5
45 - 54 Years	%	25.6	28.6	27.1	26.0
55 - 59 Years	%	11.5	11.5	11.3	11.3
60 - 64 Years	%	8.3	9.1	8.5	8.7
65 - 69 Years	%	5.1	5.8	5.0	5.2
70 Years and Over	%	4.6	4.2	4.2	3.9
Average Age of Farm Operator	yrs.	47	49	47	46
Occupied Farm Land	'000 ac.	47,229	49,506	49,929	47,218
Improved Farm Land	'000 ac.	25,289	28,460	29,302	30,951
Field Crops	'000 ac.	15,615	18,092	18,877	20,859
Wheat Total	'000 ac.	5,633	3,443	5,545	6,705
(Durum)	'000 ac.	(189)	(242)	(n.a.)	(506)
Oats for Grain	'000 ac.	2,642	1,864	1,794	1,311
Barley	'000 ac.	2,867	5,689	5,630	6,433
Mixed Grain	'000 ac.	374	419	268	145
Fall Rye	'000 ac.	149	226	)	241
Spring Rye	'000 ac.	25	24	) 181	52
Flaxseed	'000 ac.	362	271	73	102
Canola/Rapeseed	'000 ac.	307	1,988	740	1,455
Tame Hay	'000 ac.	2,477	3,260	3,850	3,481
Other Fodder	'000 ac.	621	733	659	748
Sugar Beets	'000 ac.	41	43	42	36
Other Crops	'000 ac.	117	132	95	150
Improved Pasture	'000 ac.	1,670	2,745	3,278	3,908
Summerfallow	'000 ac.	7,450	7,009	6,494	5,450
Other Improved Land	'000 ac.	554	614	653	734
Unimproved Land	'000 ac.	21,940	21,046	20,627	16,267

		1961	1971	1976*	1981*
Livestock and Poultry:					
Cattle	'000 head	2,879	3,702	4,614	4,193
Pigs	'000 head	1,470	1,816	878	1,199
Sheep	'000 head	497	245	189	201
Horses	'000 head	113	89	90	119
Hens and Chickens	'000 head	9,205	7,923	7,981	9,190
Turkeys	'000 head	1,184	896	822	903
Ducks	'000 head	93	112	108	129
Geese	'000 head	90	78	64	68
Farm Machinery:					
Tractors	no.	102,624	111,256	118,987	124,214
Grain Combines	no.	38,530	42,373	42,984	42,663
Grain Binders	no.	32,476	-	-	-
Threshing Machines	no	13,006	-	-	-
Swathers	no.	27,805	40,749	44,227	47,601
Motor Trucks	no.	71,508	93,471	112,836	123,835
Farm Capital:					
Land and Building	$'000	1,715,367	3,530,252	10,627,528	29,961,159
Machinery and Equipment	$'000	550,876	867,446	2,110,053	4,362,215
Livestock and Poultry	$'000	451,254	803,855	1,124,065	2,503,766
Total Capital Value	$'000	2,717,497	5,201,553	13,861,646	36,827,140
Average Per Farm	$'000	37	83	227	634

[1] In the 1971 Census, a hired manager was asked to report whether the land operated by him was owned or rented by his employer. This was a change from previous censuses wherein a farm operated by a hired manager was classified as being managed rather than owned or rented.

* The 1976 and 1981 census-farm definition differs from that used in previous censuses. To help users relate to previous censuses, the data in this report represents "all agricultural holdings".

Table 71
COMPARATIVE STATISTICS

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
		CENSUS STATISTICS 1981		
Total Population	no.	2,237,724	52.9	9.2
Farm Population	no.	n.a.	n.a.	n.a.
Number of Farms	no.	58,056	37.5	18.2
Total Land Area	ac.	157,710,720	36.3	6.9
Occupied Farm Land	ac.	47,218,170	36.3	29.0
Per Cent of Total Land Occupied	%	29.9	-	-
Improved Land	ac.	30,951,142	33.2	27.2
Unimproved Land	ac.	16,267,083	44.0	33.3
		CROP AREA 1981		
Winter Wheat	ac.	250,000	100.0	33.3
Spring Wheat	ac.	5,800,000	22.9	22.6
Durum Wheat	ac.	450,000	11.7	11.7
All Wheat	ac.	6,500,000	22.1	21.5
Oats for Grain	ac.	1,500,000	45.4	34.6
Barley for Grain	ac.	6,250,000	50.8	46.9
All Rye	ac.	300,000	29.6	27.0
Mixed Grains	ac.	200,000	47.6	13.9
Flaxseed	ac.	100,000	8.7	8.7
Canola/Rapeseed	ac.	1,550,000	44.3	43.3
Corn for Grain	ac.	7,000	2.6	0.3
Peas,dry	ac.	10,000	8.0	8.0
Mustard Seed	ac.	35,000	18.8	18.8
Tame Hay	ac.	3,700,000	52.9	27.6
Fodder Corn	ac.	24,000	28.6	2.1
Sugar Beets	ac.	35,000	55.8	48.2
Potatoes	ac.	16,200	27.5	6.1
Summerfallow	ac.	5,100,000	22.2	22.2

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
LIVESTOCK ON FARMS, JULY 1, 1981				
Bulls	no.	85,000	52.5	31.5
Milk Cows and Heifers	no.	185,000	47.8	7.6
Beef Cows and Heifers	no.	1,715,000	50.1	37.3
Heifers for Slaughter	no.	275,000	70.3	36.2
Steers	no.	635,000	63.1	32.3
Calves	no.	1,335,000	51.7	34.9
Total Cattle and Calves	no.	4,230,000	53.2	30.5
Hogs - Breeding Stock 6 Months and Over	no.	127,700	47.8	12.2
All Other Pigs	no.	1,127,300	47.6	13.7
Total Hogs	no.	1,255,000	47.7	13.6
Sheep One Year and Over	no.	97,000	59.2	24.2
Lambs Under One Year	no.	108,000	64.3	30.4
Total Sheep and Lambs	no.	205,000	61.8	27.1

Table 72
CANADIAN - METRIC CONVERSIONS

AREA		
1 hectare	2.47109	acres
	0.00368	square mile
1 square kilometre	0.36810	square mile
1 acre	0.40468	hectare
1 square mile (640 acres)	259	hectares
	2.59	square kilometres
1 arpent	0.871	acre
WEIGHT		
1 kilogram	2.2046	pounds
1 tonne (1 000 kg)	2204.622	pounds
	22.046	short hundred-weights
	19.684	long hundred-weights
	1.10231	short tons
	0.98420	long ton
1 pound	0.45359	kilogram
1 short hundredweight (100 lb.)	0.045359	tonne
1 long hundredweight (112 lb.)	0.050802	tonne
1 short ton (2,000 lb.)	0.90718	tonne
1 long ton (2,240 lb.)	1.01605	tonne

Table 73
WEIGHT EQUIVALENTS OF SELECTED COMMODITIES

Wheat		
1 bushel	0.027215	tonne
1 tonne	36.744	bushels
Oats		
1 bushel	0.015422	tonne
1 tonne	64.842	bushels
Barley		
1 bushel	0.021772	tonne
1 tonne	45.930	bushels
Rye, Flaxseed and Corn		
1 bushel	0.0254	tonne
1 tonne	39.368	bushels
Canola/Rapeseed		
1 bushel	0.02268	tonne
1 tonne	44.092	bushels

Table 74
PRINCIPAL FIELD CROPS IN METRICS

Census Division	Area		Yield Per Hectare		Production	
	1980	1981	1980	1981	1980	1981
	- hectares -		- tonnes -		- tonnes -	
			ALL WHEAT			
1	221 000	234 000	1.90	2.25	420 000	526 000
2	311 000	356 000	2.52	2.91	785 000	1 037 000
3	92 000	107 000	2.09	2.73	192 000	292 000
4	229 000	235 000	1.51	1.67	346 000	392 000
5	380 000	425 000	2.33	2.77	885 000	1 176 000
6 & 9	85 000	86 000	2.50	2.82	213 000	243 000
7	321 000	378 000	2.41	1.80	775 000	680 000
8	28 000	29 000	2.71	2.83	76 000	82 000
10	305 000	329 000	2.40	2.00	733 000	657 000
11	51 000	58 000	2.61	2.74	133 000	159 000
12	68 000	70 000	2.01	2.14	137 000	150 000
13) 14)	37 000	36 000	2.43	2.64	90 000	95 000
15	260 000	287 000	2.11	1.93	549 000	553 000
Province	2 388 000	2 630 000	2.23	2.30	5 334 000	6 042 000
			OATS FOR GRAIN			
1	13 000	11 000	1.85	2.18	24 000	24 000
2	9 000	9 000	2.67	2.89	24 000	26 000
3	25 000	40 000	2.12	2.48	53 000	99 000
4	28 000	30 000	1.75	1.63	49 000	49 000
5	15 000	16 000	2.40	2.69	36 000	43 000
6 & 9	23 000	29 000	2.70	2.93	62 000	85 000

Census Division	Area		Yield Per Hectare		Production	
	1980	1981	1980	1981	1980	1981
	- hectares -		- tonnes -		- tonnes -	
		OATS FOR GRAIN (cont'd.)				
7	73 000	72 000	2.48	1.80	181 000	130 000
8	33 000	39 000	2.73	2.90	90 000	113 000
10	81 000	115 000	2.36	2.07	191 000	238 000
11	73 000	93 000	2.63	2.71	192 000	252 000
12	42 000	43 000	2.21	2.26	93 000	97 000
13) 14)	66 000	59 000	2.56	2.63	169 000	155 000
15	45 000	51 000	2.24	1.80	101 000	92 000
Province	526 000	607 000	2.40	2.31	1 265 000	1 403 000
		BARLEY FOR GRAIN				
1	31 000	24 000	2.35	2.79	73 000	67 000
2	116 000	114 000	3.46	3.56	402 000	406 000
3	115 000	121 000	2.82	3.01	324 000	364 000
4	19 000	32 000	2.05	2.03	39 000	65 000
5	162 000	183 000	2.97	3.27	481 000	599 000
6 & 9	236 000	264 000	2.86	3.12	675 000	824 000
7	146 000	159 000	2.96	2.04	432 000	325 000
8	289 000	329 000	2.90	2.97	839 000	978 000
10	260 000	303 000	2.76	2.29	719 000	694 000
11	208 000	237 000	2.74	2.78	570 000	658 000
12	78 000	99 000	2.32	2.43	181 000	241 000
13) 14)	170 000	206 000	2.51	2.63	427 000	541 000
15	355 000	458 000	2.26	1.82	804 000	835 000
Province	2 185 000	2 529 000	2.73	2.61	5 966 000	6 597 000

A.R.A.	Area		Yield Per Hectare		Production	
	1980	1981	1980	1981	1980	1981
	- hectares -		- tonnes -		- tonnes -	
			FLAXSEED			
1	3 800	3 800	1.32	1.53	5 000	5 800
2	28 300	17 600	1.32	1.64	37 400	28 800
3	7 400	4 600	1.28	1.56	9 500	7 200
4A	7 900	4 900	1.47	1.14	11 600	5 600
4B	2 200	1 400	1.18	1.07	2 600	1 500
5	600	400	1.17	1.25	700	500
6	1 600	1 000	1.19	1.20	1 900	1 200
7	17 000	6 800	0.89	0.78	15 100	5 300
Province	68 800	40 500	1.22	1.38	83 800	55 900
			CANOLA / RAPESEED			
1	3 600	2 500	1.08	1.28	3 900	3 200
2	85 600	55 100	1.41	1.63	120 700	89 700
3	66 800	47 100	1.24	1.53	82 600	72 100
4A	123 800	98 900	1.50	1.25	185 100	123 800
4B	152 400	124 300	1.41	1.26	214 300	156 600
5	95 100	55 600	1.26	1.35	120 200	75 100
6	74 500	38 700	1.13	1.18	83 900	45 600
7	288 500	205 100	1.12	0.89	323 300	182 300
Province	890 300	627 300	1.27	1.19	1 134 000	748 400
			FALL RYE			
1-3	77 200	91 100	1.91	2.92	147 700	266 000
4A-6	14 200	18 100	1.56	1.93	22 200	35 000
7	1 700	2 100	1.65	1.81	2 800	3 800
Province	93 100	111 300	1.86	2.74	172 700	304 800

A.R.A.	Area		Yield Per Hectare		Production	
	1980	1981	1980	1981	1980	1981
	- hectares -		- tonnes -		- tonnes -	
			SPRING RYE			
1-3	5 200	6 500	1.48	1.77	7 700	11 500
4A-6	2 700	3 400	1.74	1.74	4 700	5 900
7	200	200	1.50	2.00	300	400
Province	8 100	10 100	1.57	1.76	12 700	17 800
			ALL RYE			
1-3	82 400	97 600	1.88	2.84	155 400	277 500
4A-6	16 900	21 500	1.59	1.90	26 900	40 900
7	1 900	2 300	1.63	1.83	3 100	4 200
Province	101 200	121 400	1.83	2.66	185 400	322 600
			TAME HAY			
1	59 600	58 700	3.01	4.07	179 500	239 100
2	115 200	117 400	5.67	6.95	653 700	816 100
3	177 000	168 300	4.05	5.27	716 500	886 500
4A	66 400	61 100	2.41	2.41	159 800	147 100
4B	106 000	102 000	3.02	3.21	320 100	327 900
5	352 500	359 700	4.56	5.13	1 608 700	1 846 700
6	360 400	365 700	3.94	3.85	1 420 600	1 409 200
7	260 200	264 400	3.22	2.91	837 800	768 400
Province	1 497 300	1 497 300	3.94	4.30	5 896 700	6 441 000
			OTHER CROPS			
Winter Wheat	81 000	101 000	2.18	3.07	176 900	310 200
Durum Wheat	142 000	182 000	2.03	2.48	288 500	451 800
Mixed Grains	81 000	81 000	3.08	2.94	249 500	238 100
Corn for Grain	2 200	2 800	6.59	6.71	14 500	18 800
Peas, dry	3 200	4 000	2.47	2.22	7 900	8 900
Mustard Seed	20 200	14 200	1.26	1.34	25 400	19 000
Potatoes	6 500	6 600	28.58	25.50	185 800	168 300
Sugar Beets	13 800	14 200	38.01	50.34	524 600	714 800
Fodder Corn	11 500	9 700	37.86	42.08	435 400	408 200

SOURCES AND METHODS

The general procedure used in preparing this yearbook has remained similar since 1972. A large percentage of the material presented for the current year was based on estimates derived from sample data. Users are reminded that the data is subject to revision. Revisions made to the 1980 data are included in this report.

INCOME

Farm income data on a provincial basis are obtained from the Statistics Canada publication, catalogue 21-202.

Farm wages are derived from Statistics Canada's publication 21-202.

Food and Beverage Statistics were developed by the Alberta Bureau of Statistics.

The Edmonton Food Price Index and Alberta Average farm input prices were developed from data collected and assembled by Market Surveys and Investigations. Further information is available through the Statistics Branch, Alberta Agriculture.

CROPS

Total production value includes all crops grown on farms in the current year for sale, feed, seed and home consumption at the prevailing market prices during the crop year. The method of disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. Production value for each crop represents value to the producer.

Prices used to calculate value of production are those which farmers receive at the shipping point less freight, handling and other marketing charges. Transportation costs incurred by farmers themselves in delivering grain to elevators are included with farm expenses. The estimated final prices are subject to revision after all relevant sales and payments are made.

Major crop areas are estimated by Statistics Canada in cooperation with Alberta Agriculture. Minor crops, such as sugar beets and mustard seed are estimated through contacts with dealers, processors, and Alberta Agriculture field staff. Estimates are for seeded acres in most cases, and yields are reported on the land devoted to the crop at seeding time except oats and barley which are based on harvested areas. The November estimates (Statistics Canada 22-002) contain the latest area and yield estimates.

Statistics Canada, Agriculture Division developed yields of major crops through surveys.

Grain quality distribution is based on Alberta Wheat Pool estimates. Wheat Board Payments are reported by the Canadian Wheat Board. Lakehead selling prices are recorded by the Canadian Grain Commission. Non Board prices for the major centres in the province are those developed through the Alberta Feed and Forage Exchange.

Forage seed data are from Plant Production Division, Agriculture Canada and the Plant Industry Division, Alberta Agriculture.

Fertilizer sales volumes were provided by Western Canada Fertilizer Association.

LIVESTOCK

Market and quality data for cattle, hogs and sheep are obtained from the Agriculture Canada publication "Canada Livestock and Meat Trade Report." Prices pertain to stockyard sales.

Data on insemination and brand inspection were obtained from Animal Industry Division, Alberta Agriucture.

Dairy statistics are obtained from the Dairy Division, Alberta Agriculture.

Monthly poultry prices are the average of recorded weekly prices from Canada Deparment of Agriculture. Production values for eggs were obtained from Statistics Canada, publication 23-003. Data on hatchery capacity, chick production and disposition, poult production and poultry eviscerated in registered stations were supplied by Poultry Branch, Alberta Agriculture.

OTHER PRODUCTS

Alberta Agriculture in cooperation with Statistics Canada produce honey estimates.

Fur data are obtained from the Animal Health Division.